

FIGURE 1

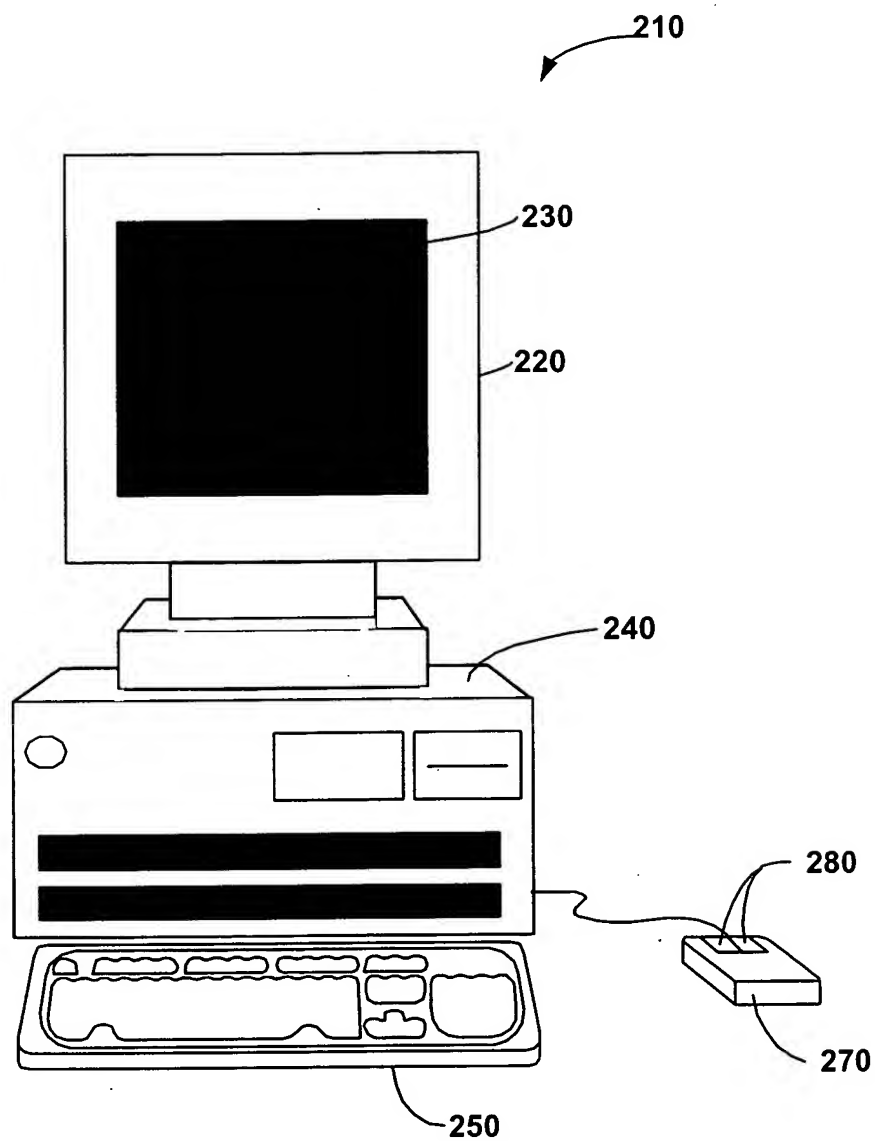


FIGURE 2

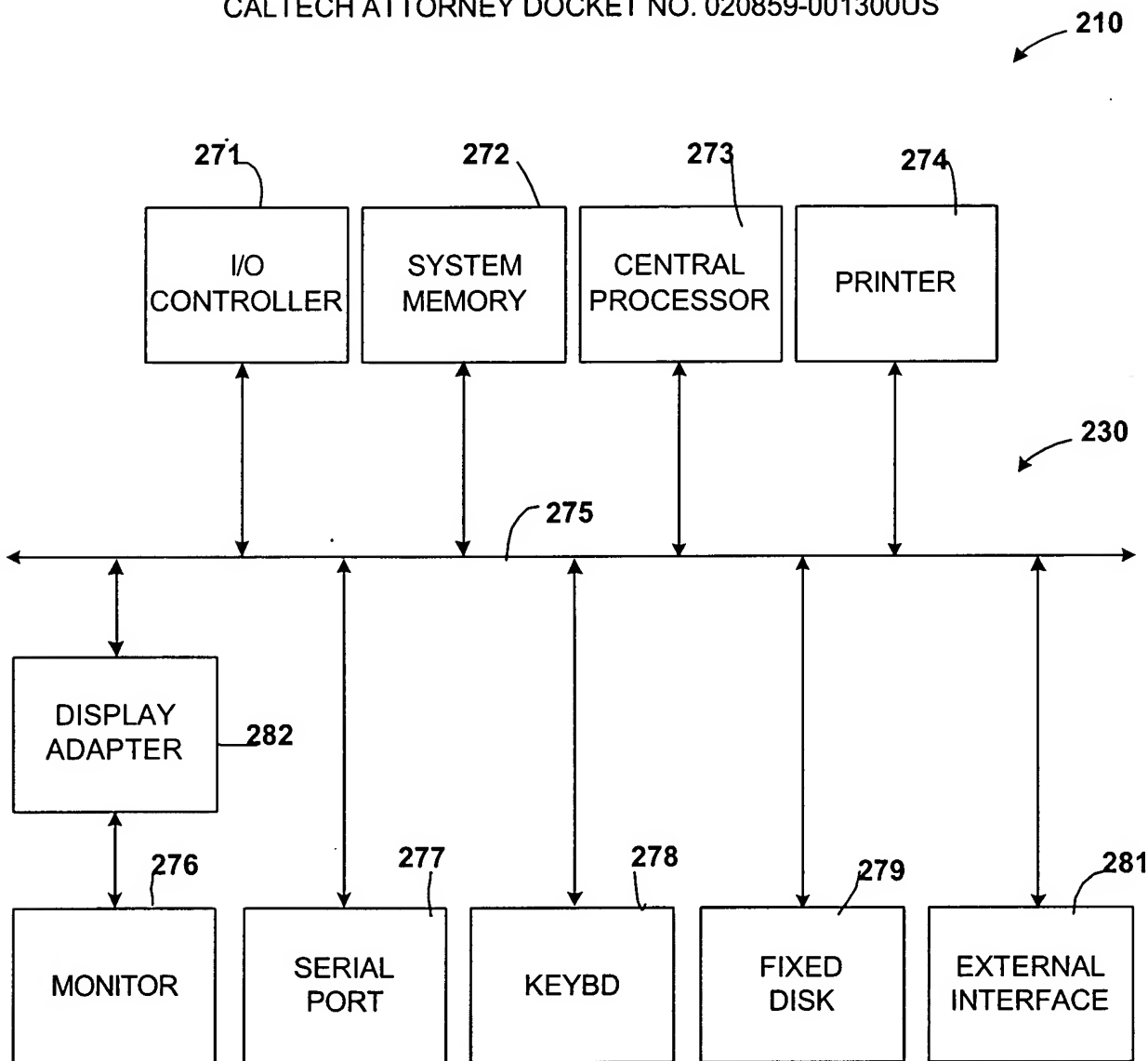


FIGURE
2A

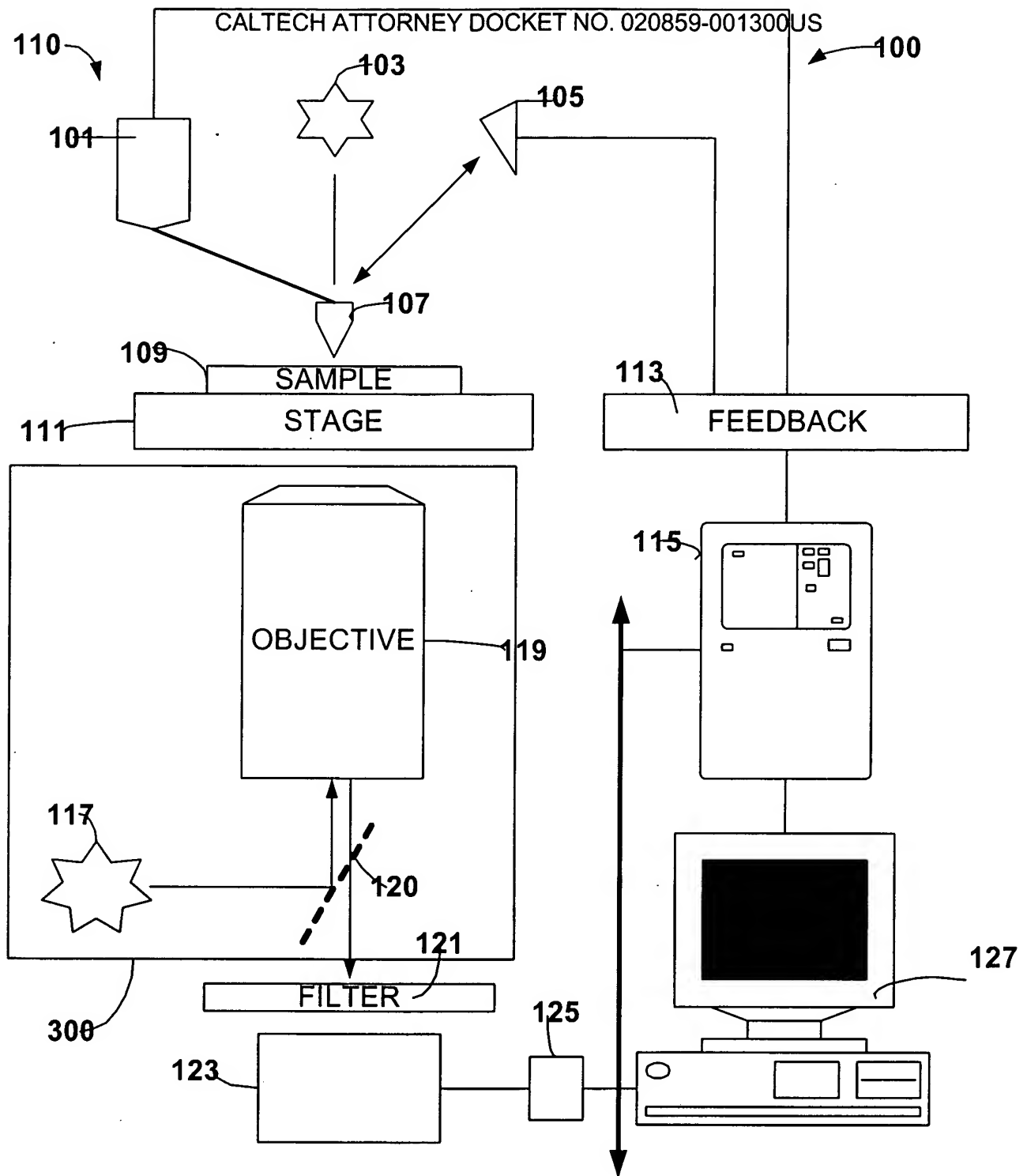


FIGURE 3

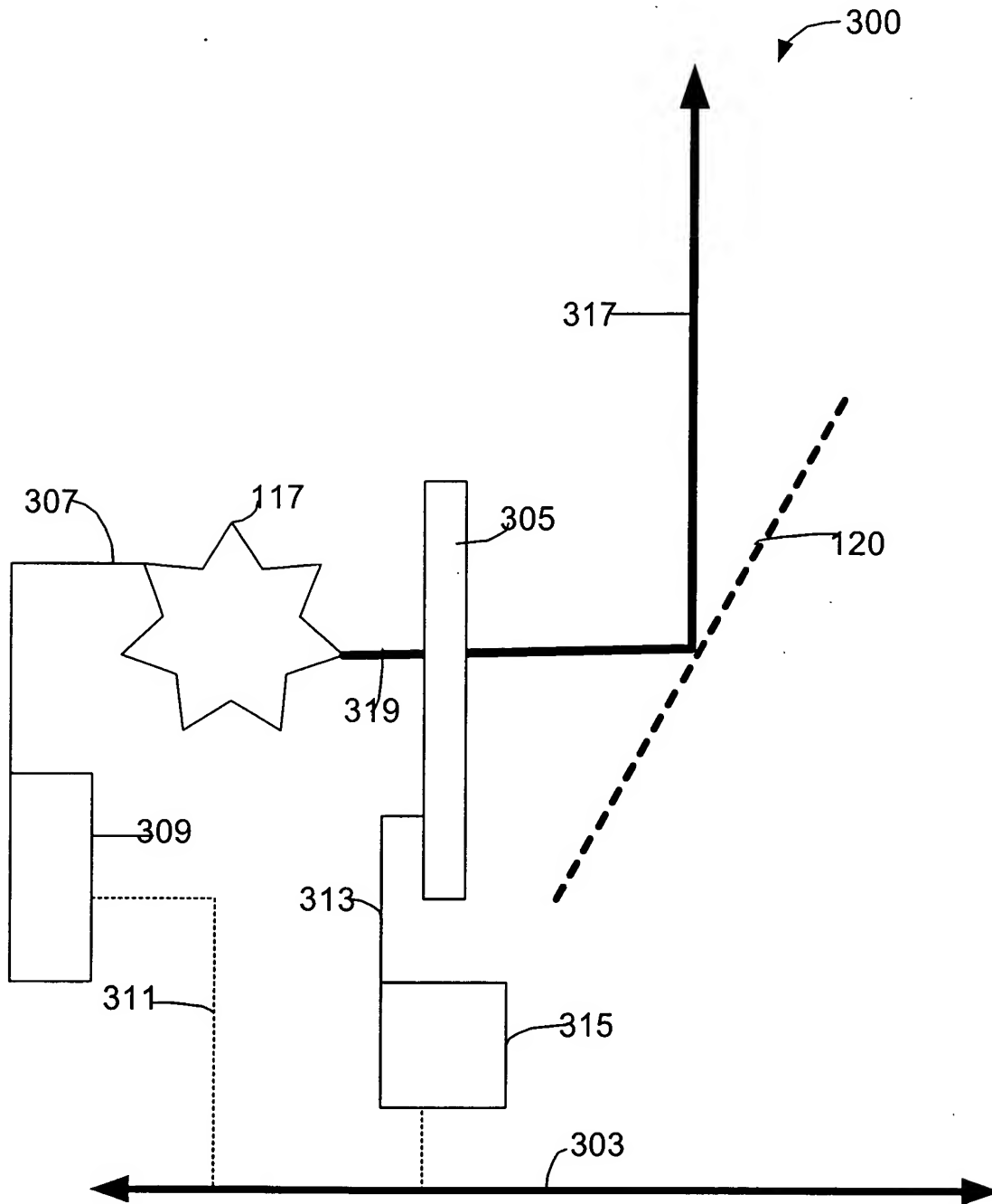


FIGURE 3A

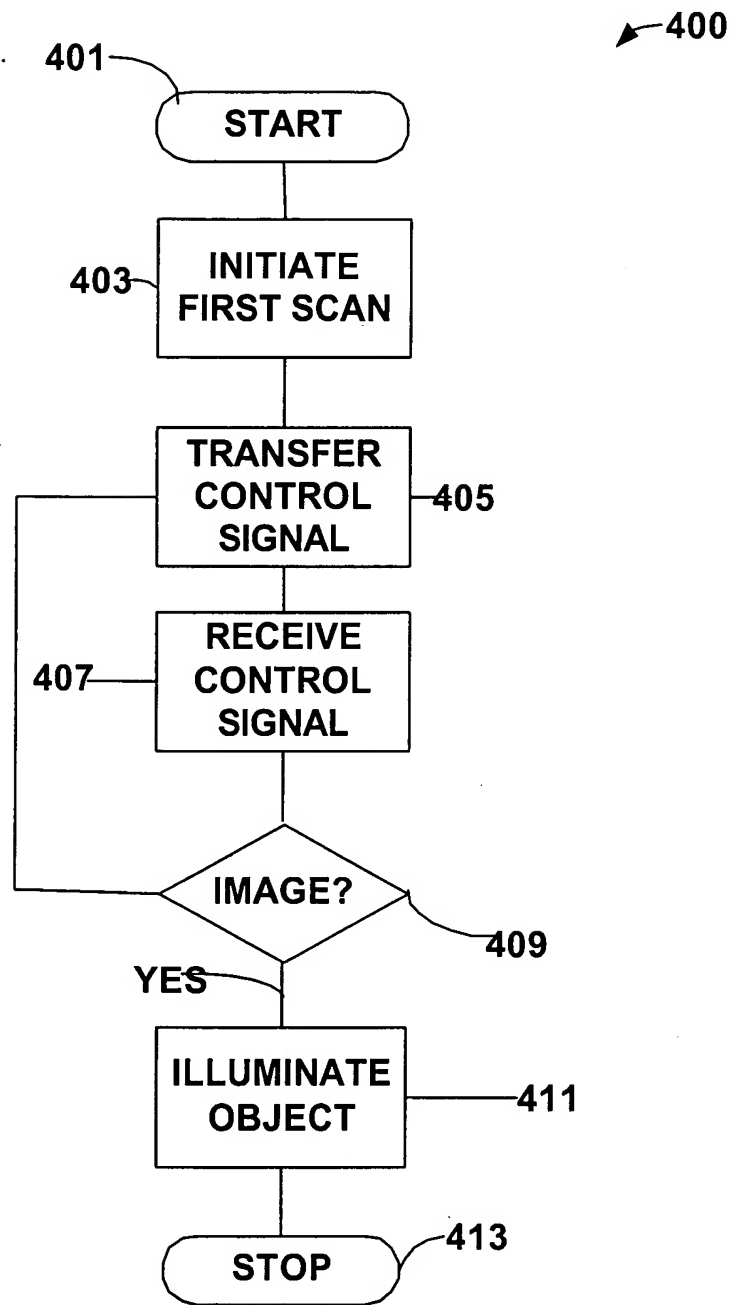


FIGURE 4

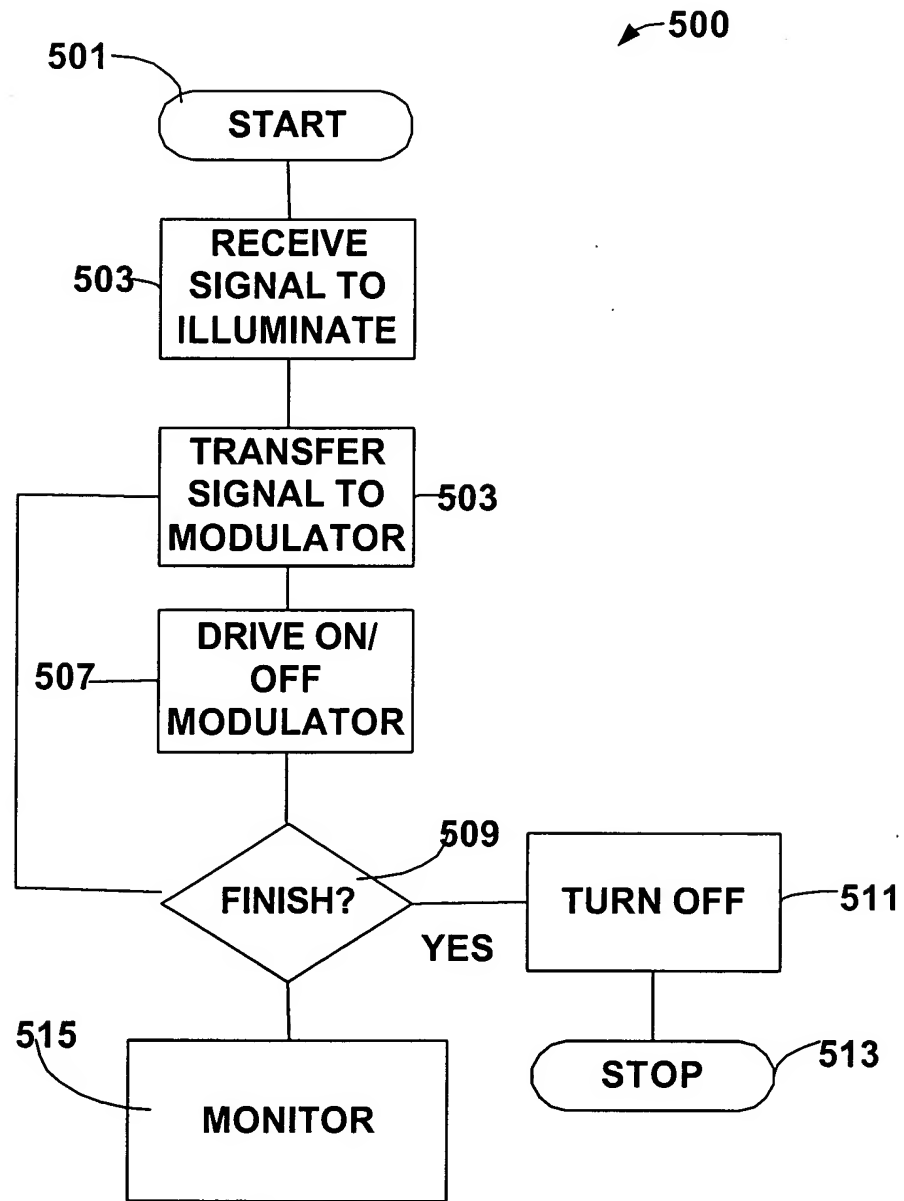
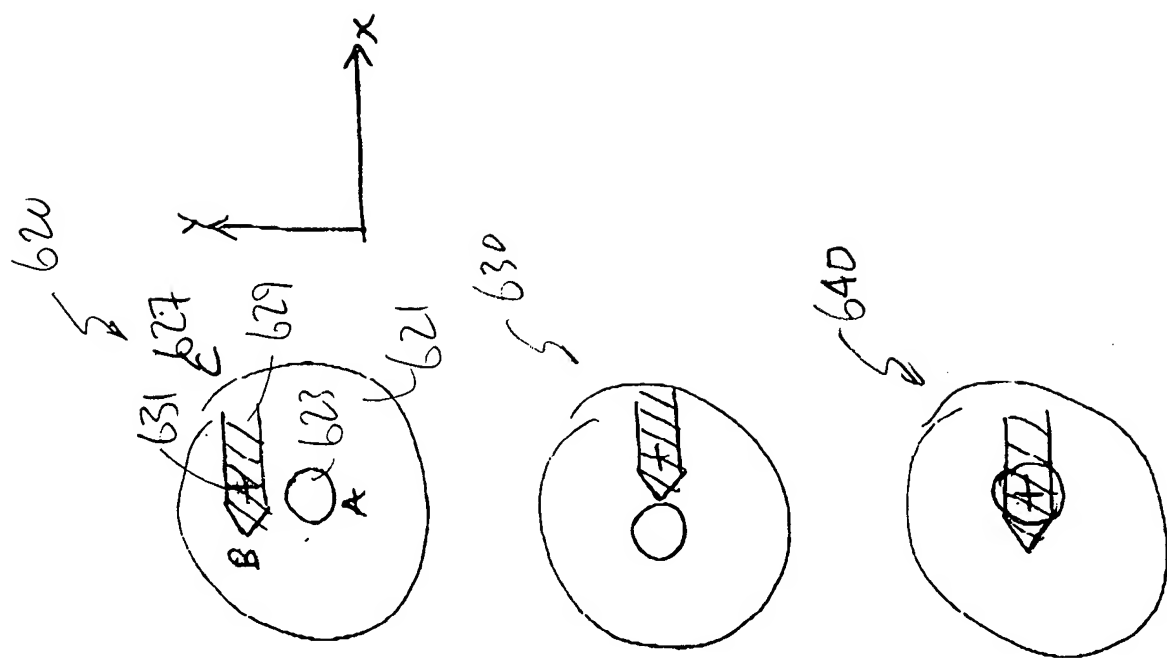
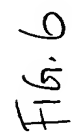


FIGURE 5



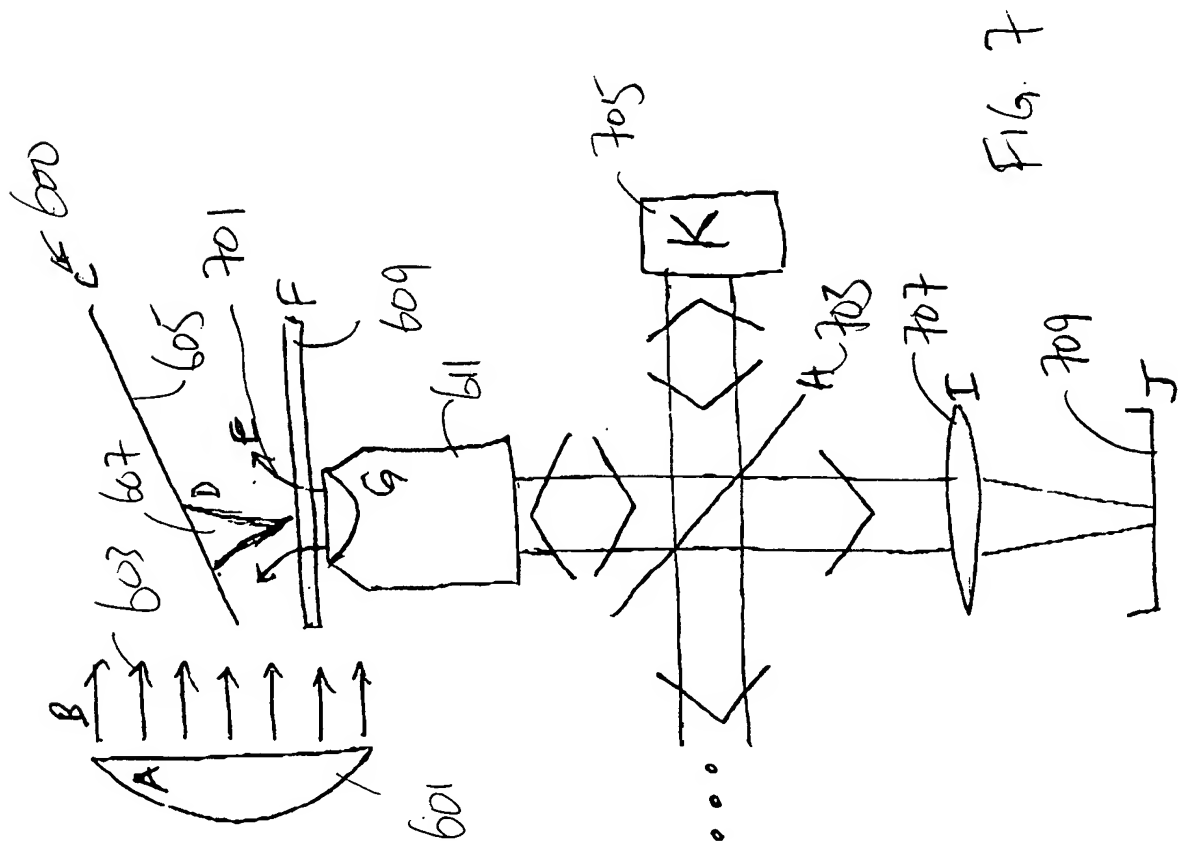
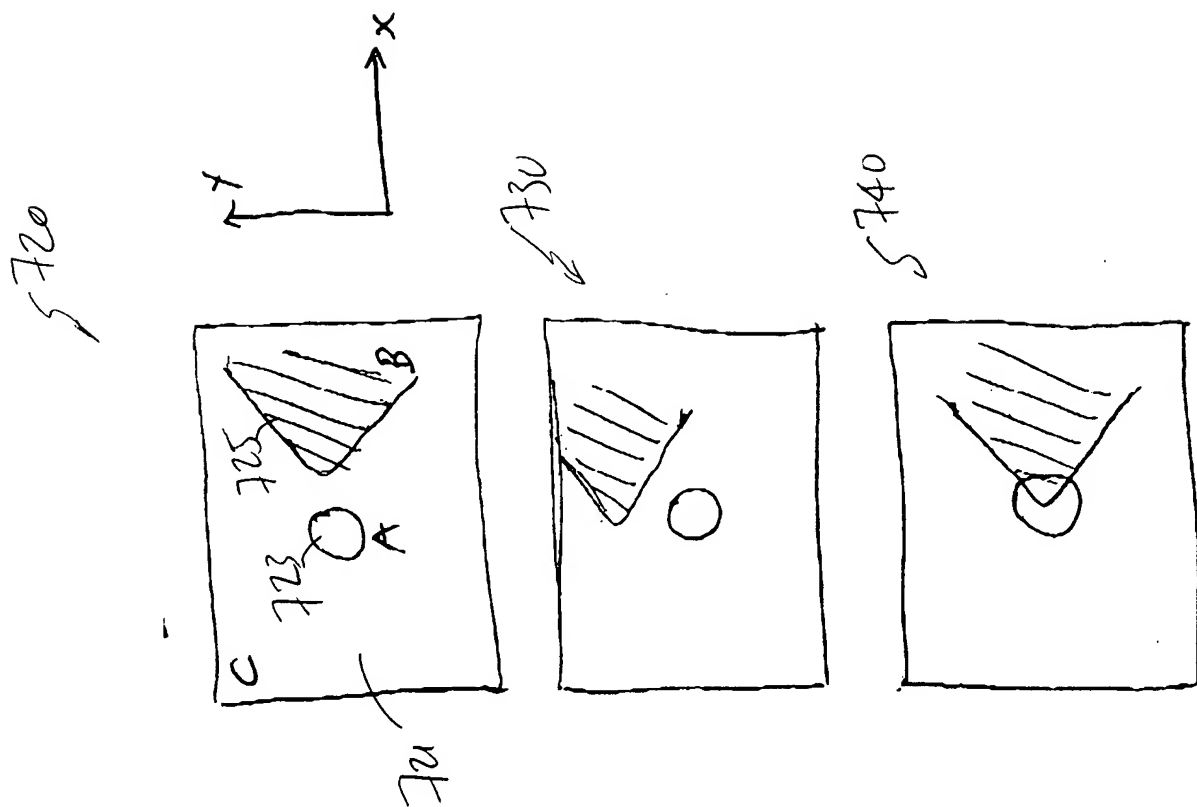


Fig. 7



600

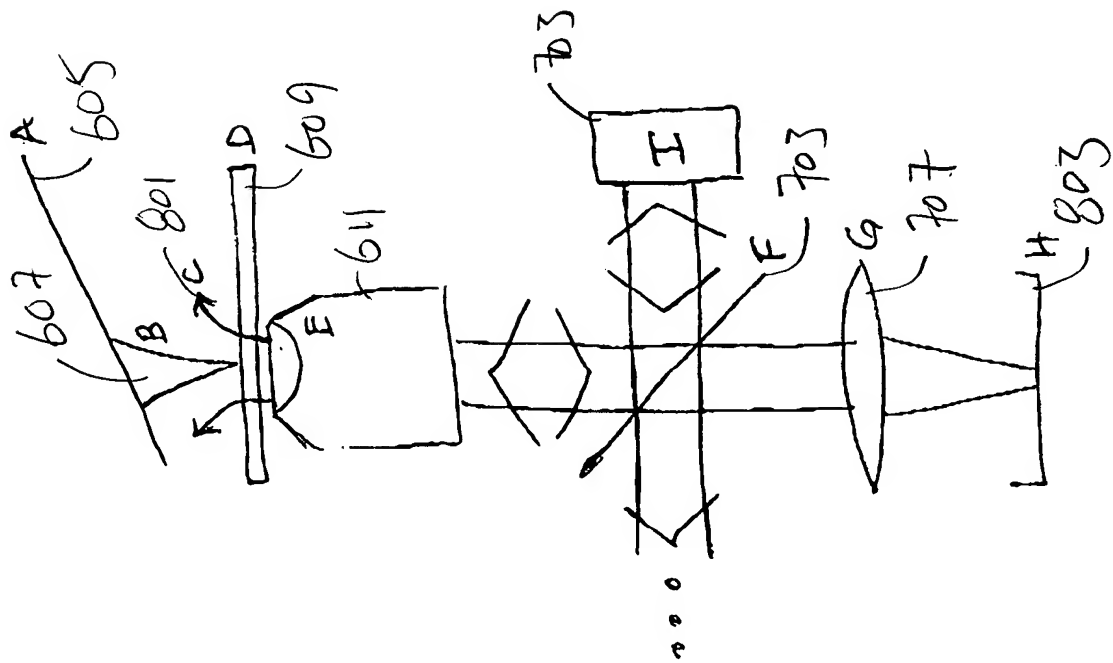
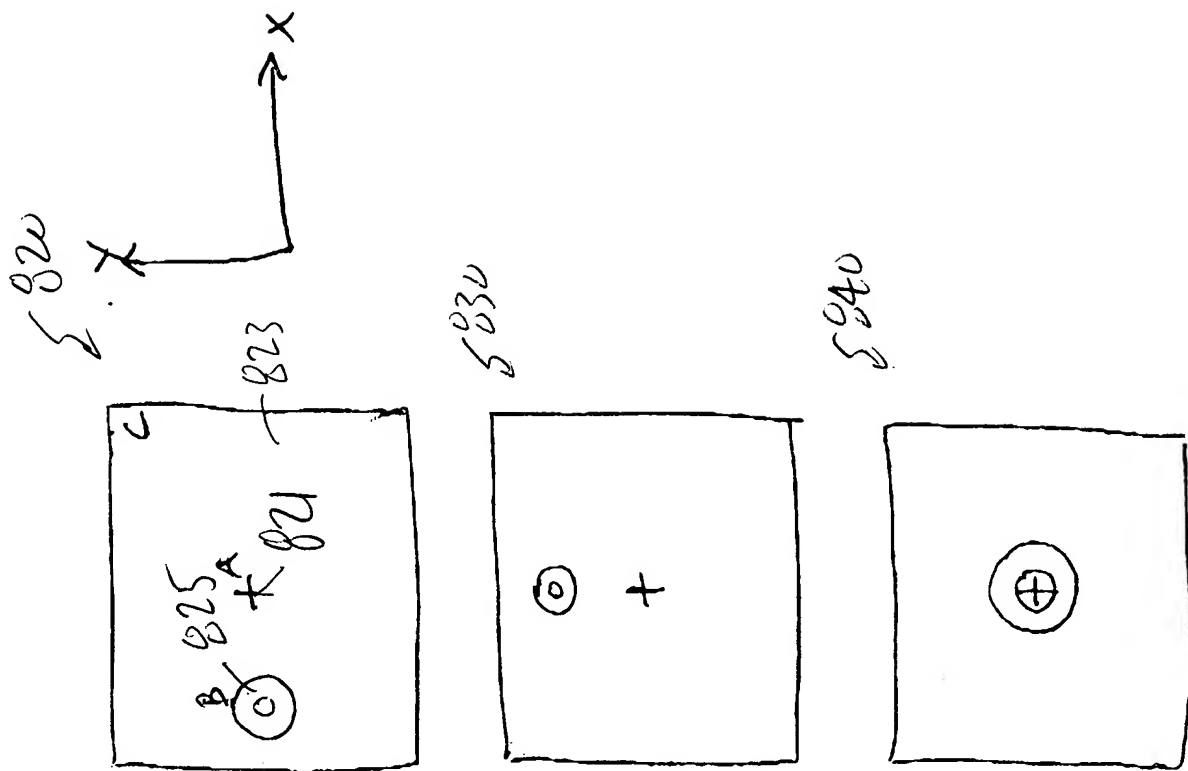


FIG. 8



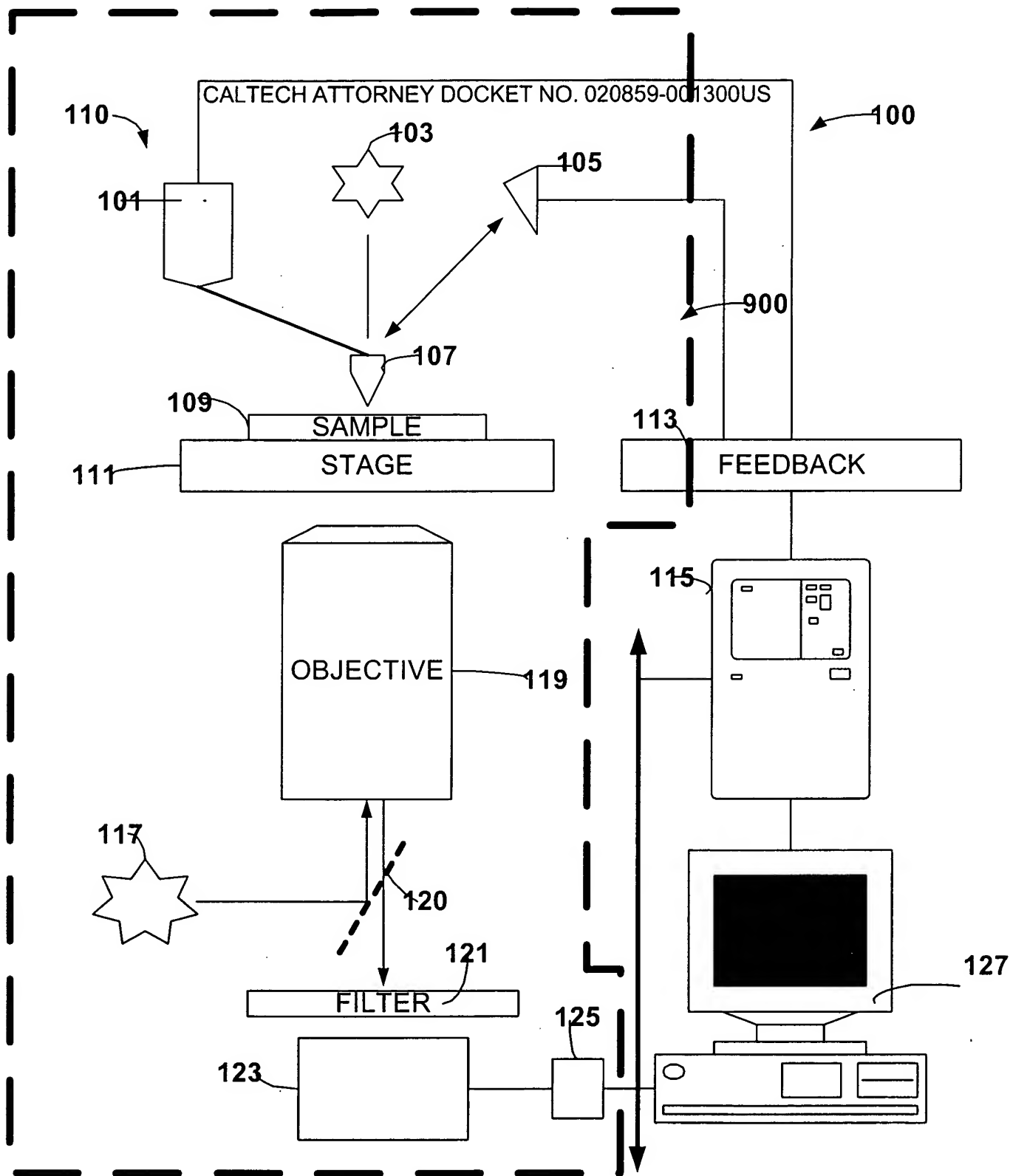


FIGURE 9

900

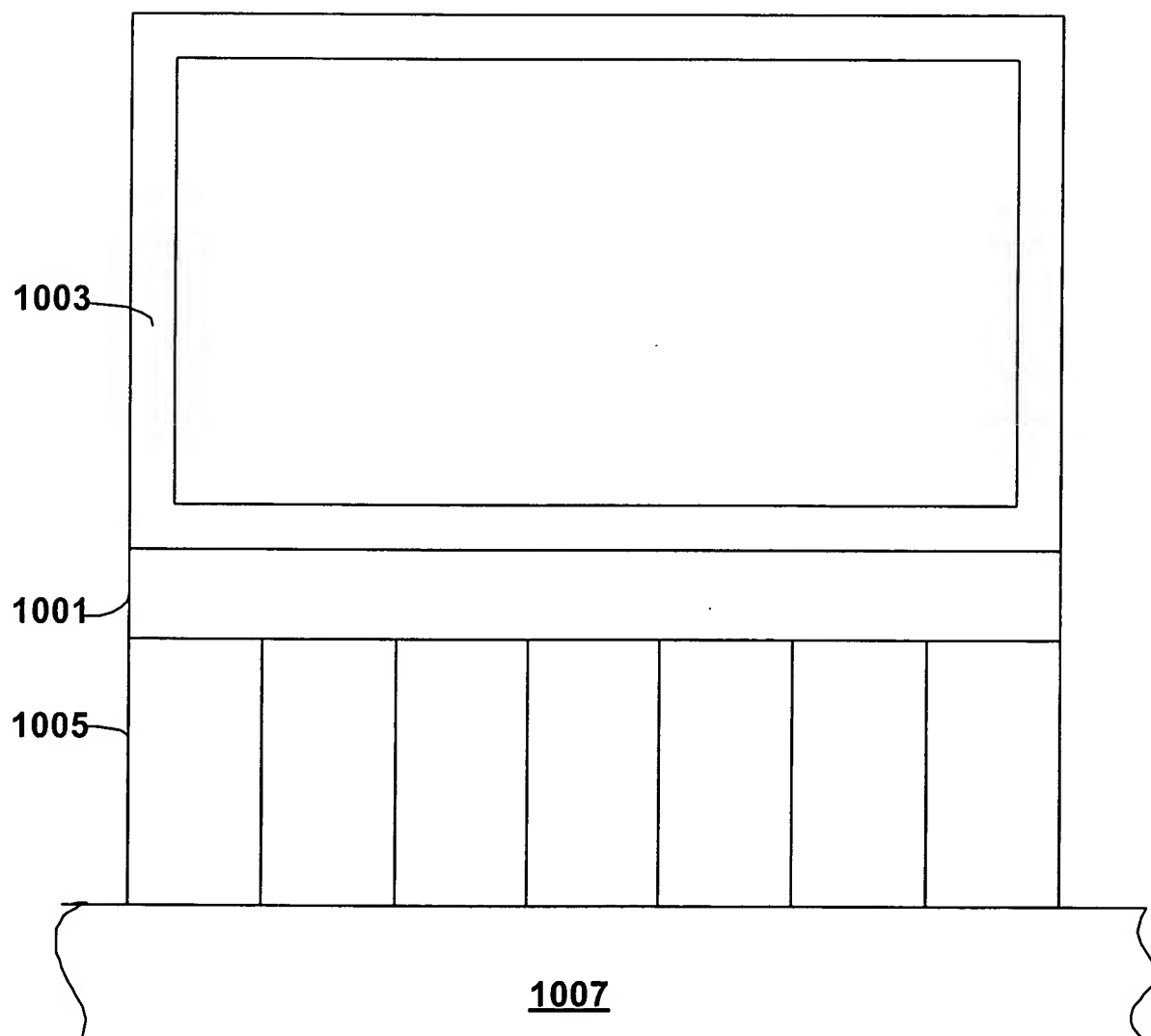


FIGURE 10

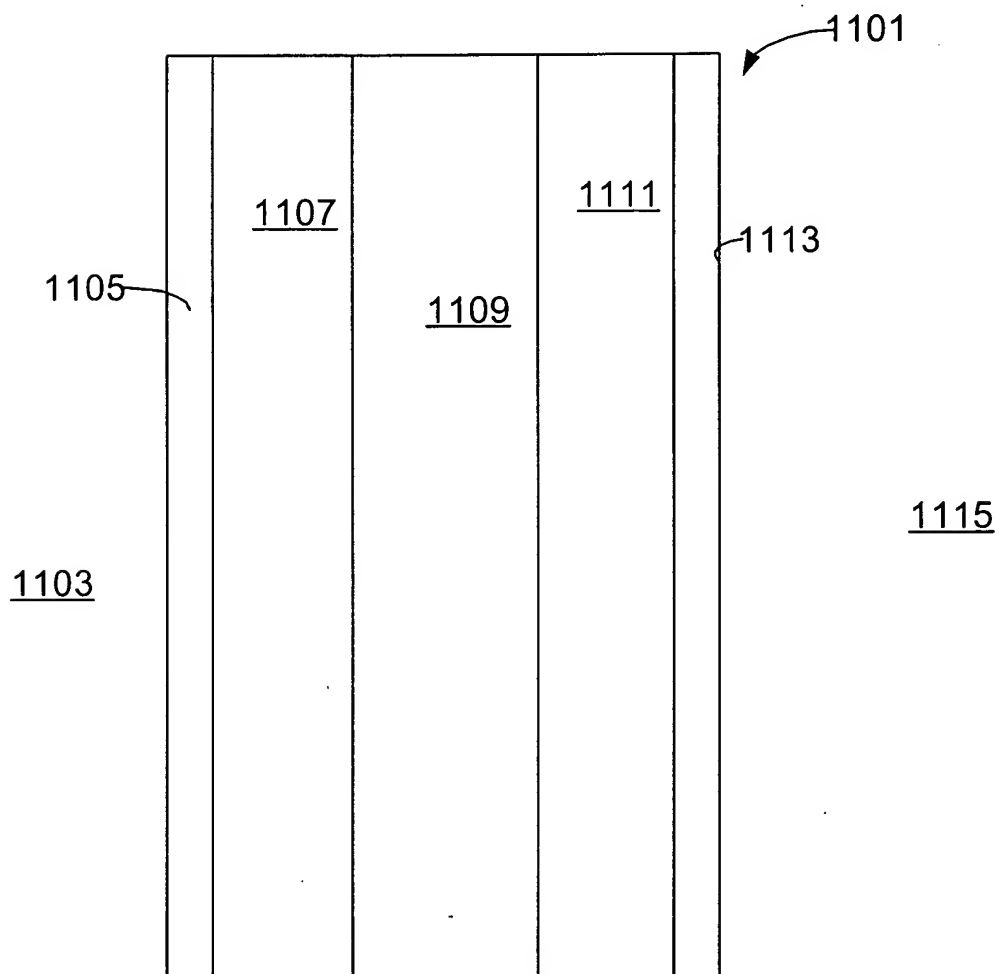


FIGURE 11

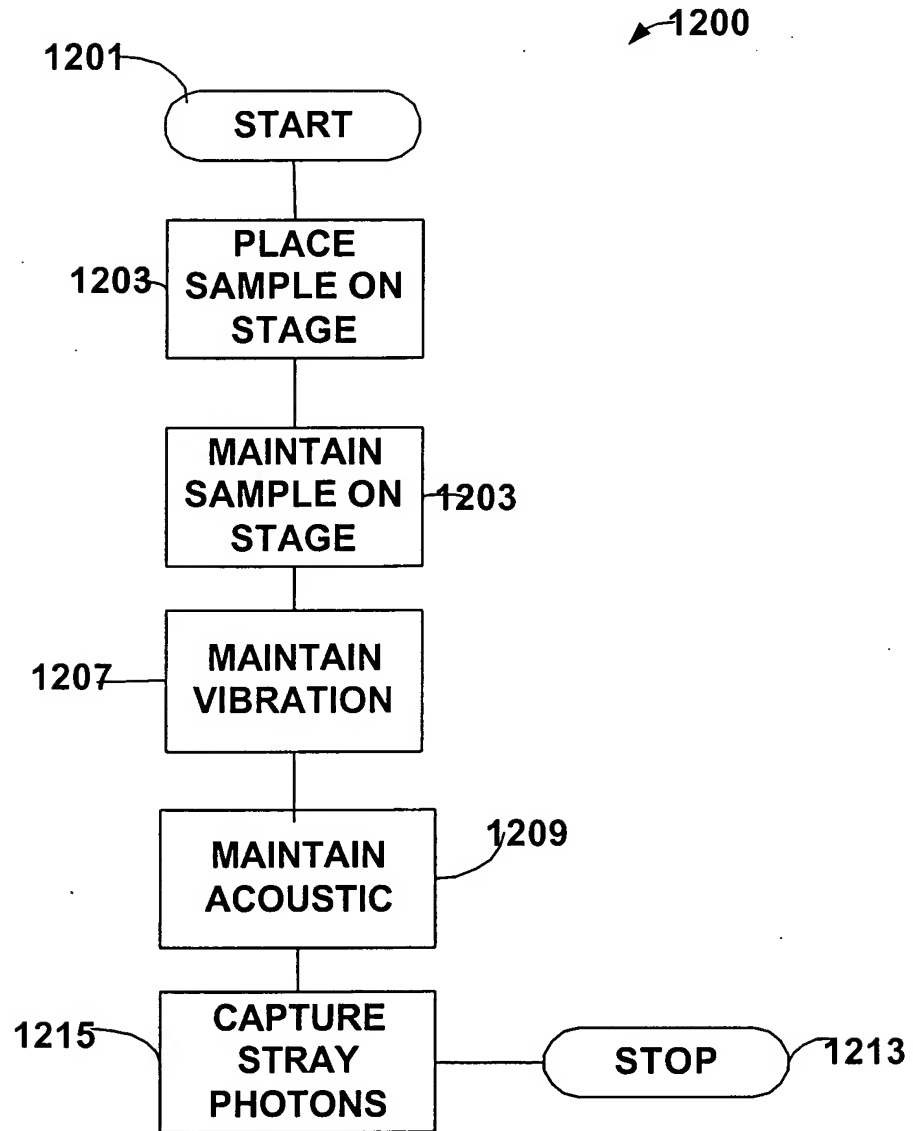


FIGURE 12

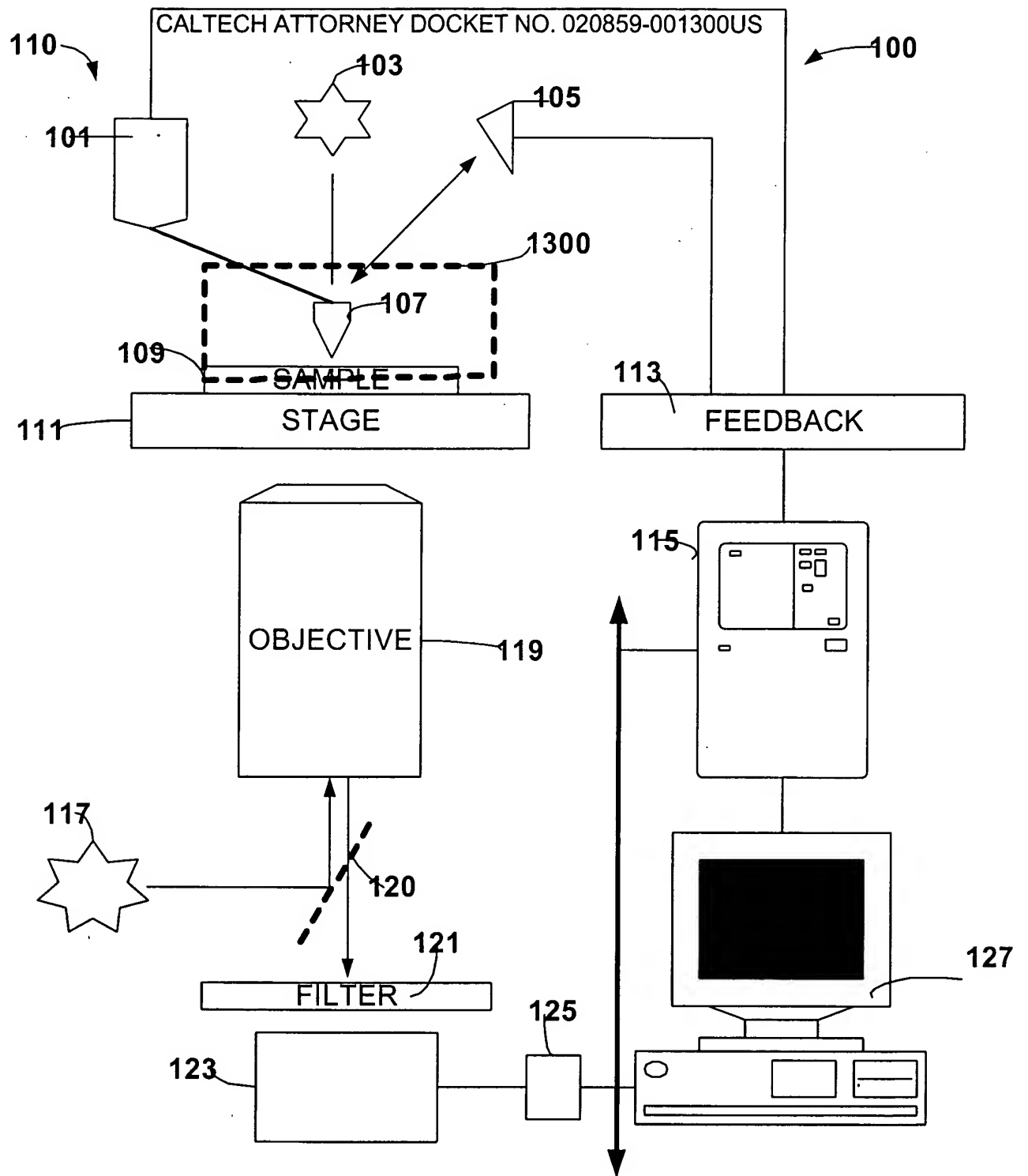


FIGURE 13

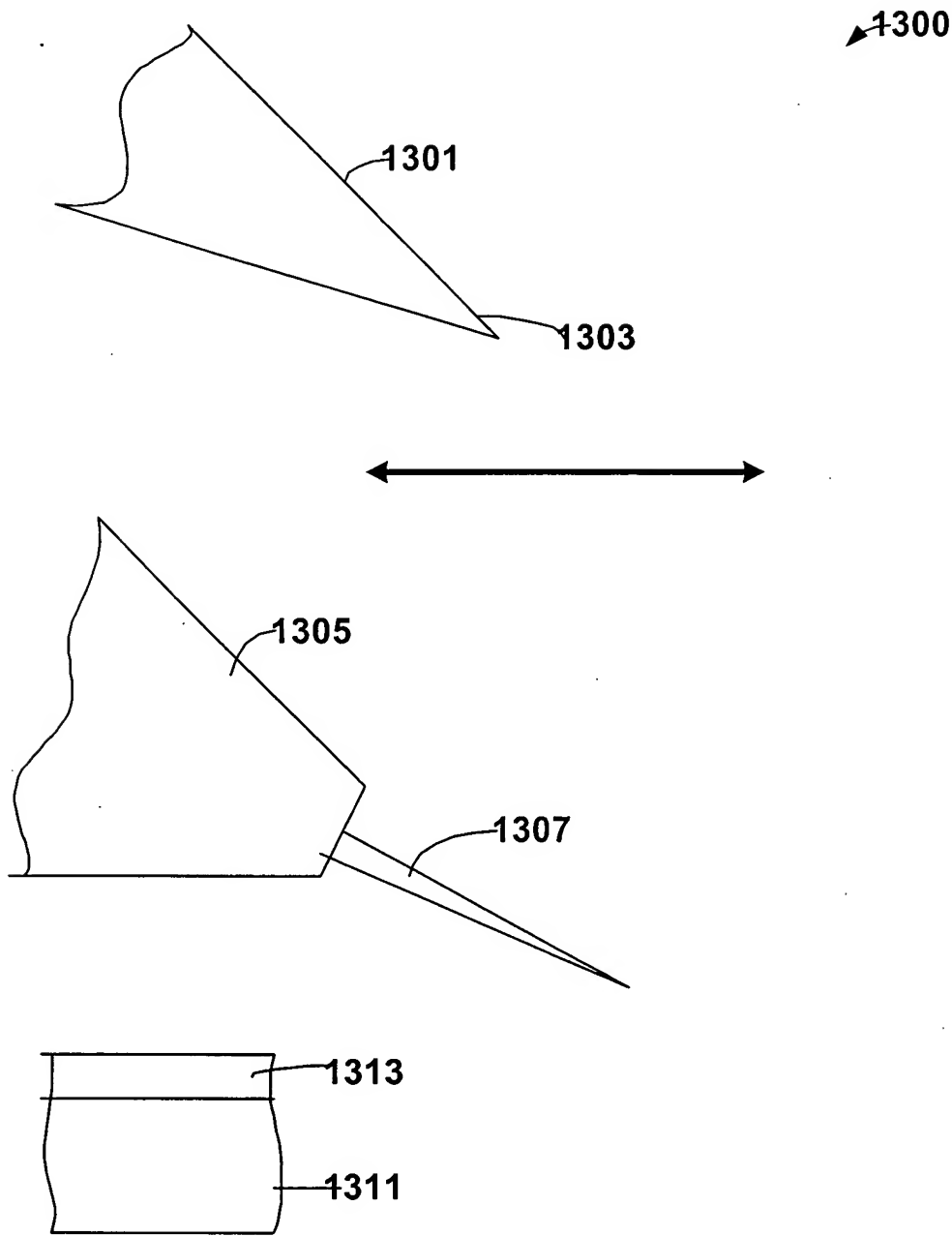


FIGURE 14

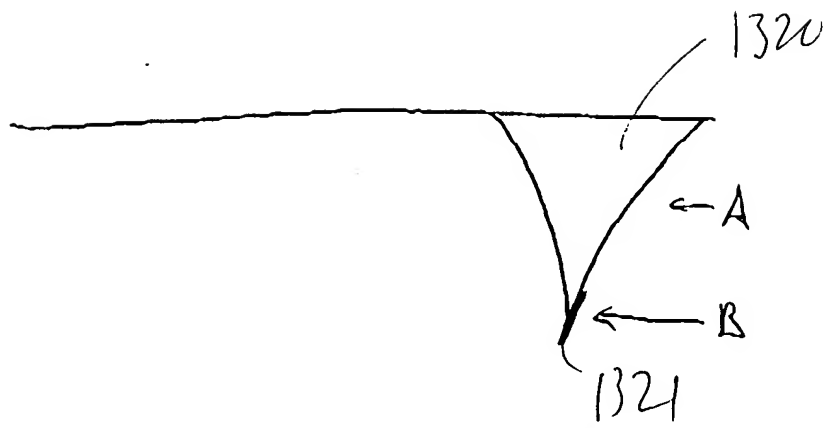


FIG. 14A

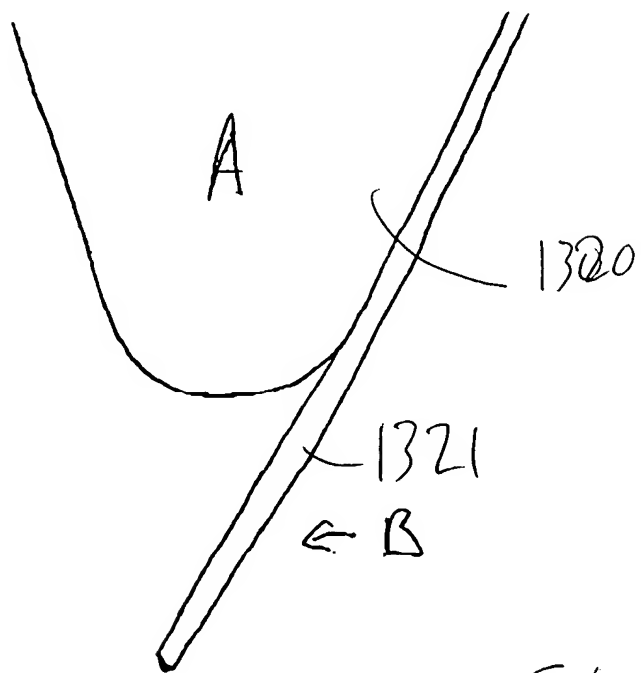


FIG. 14B

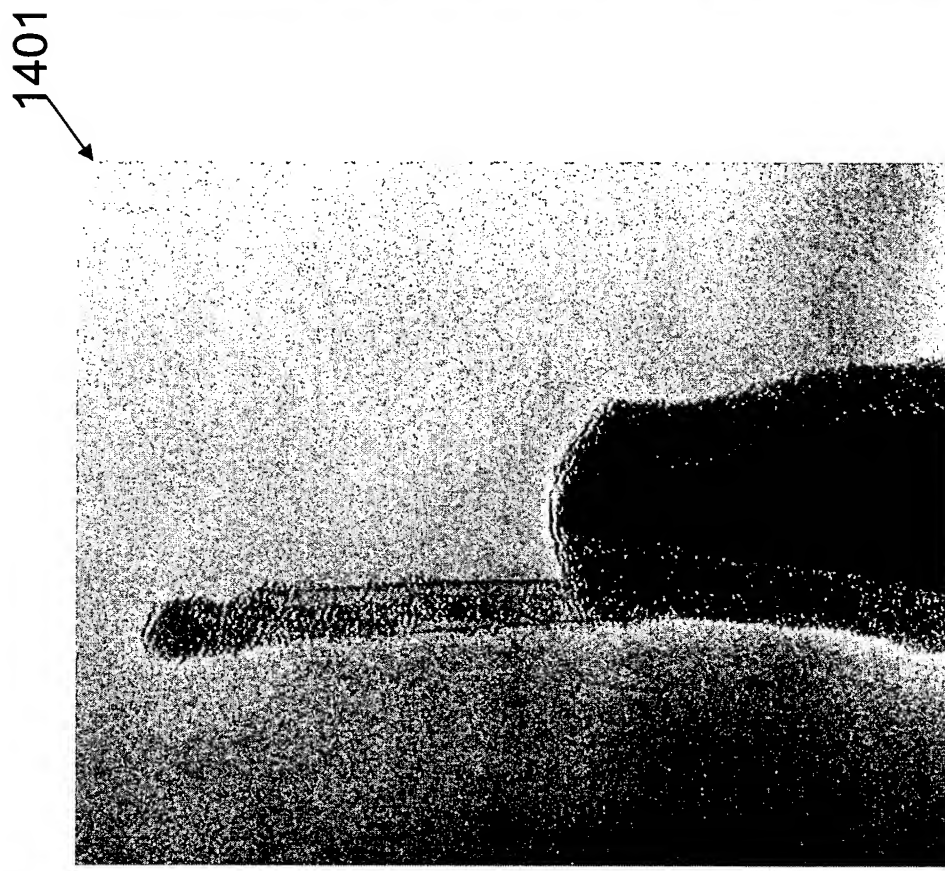


Figure 14C

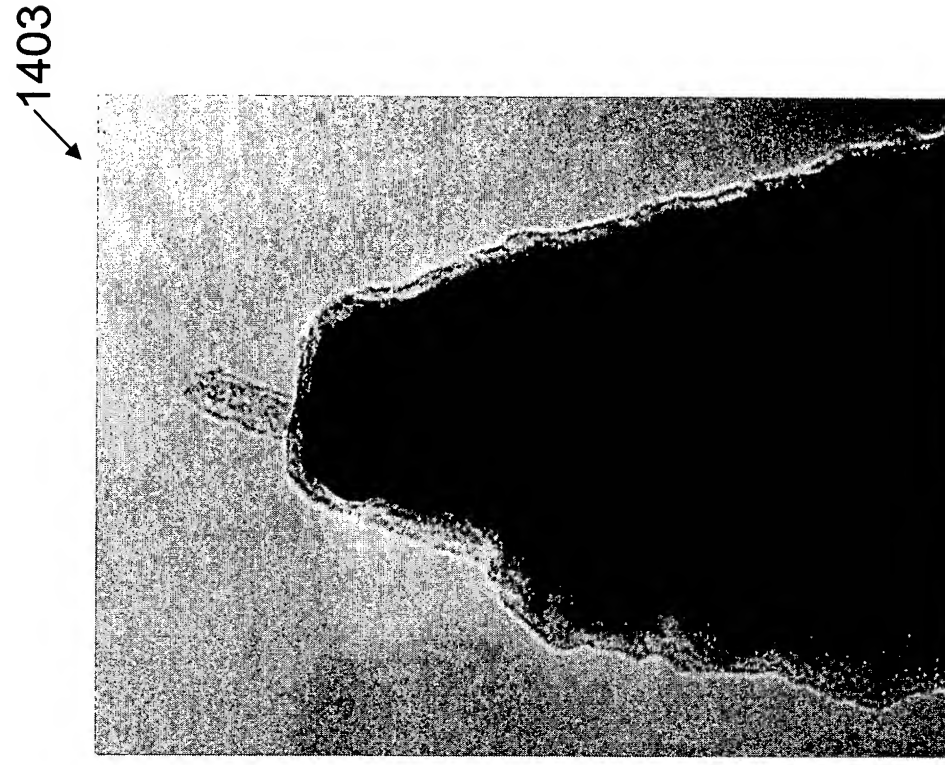


Figure 14D

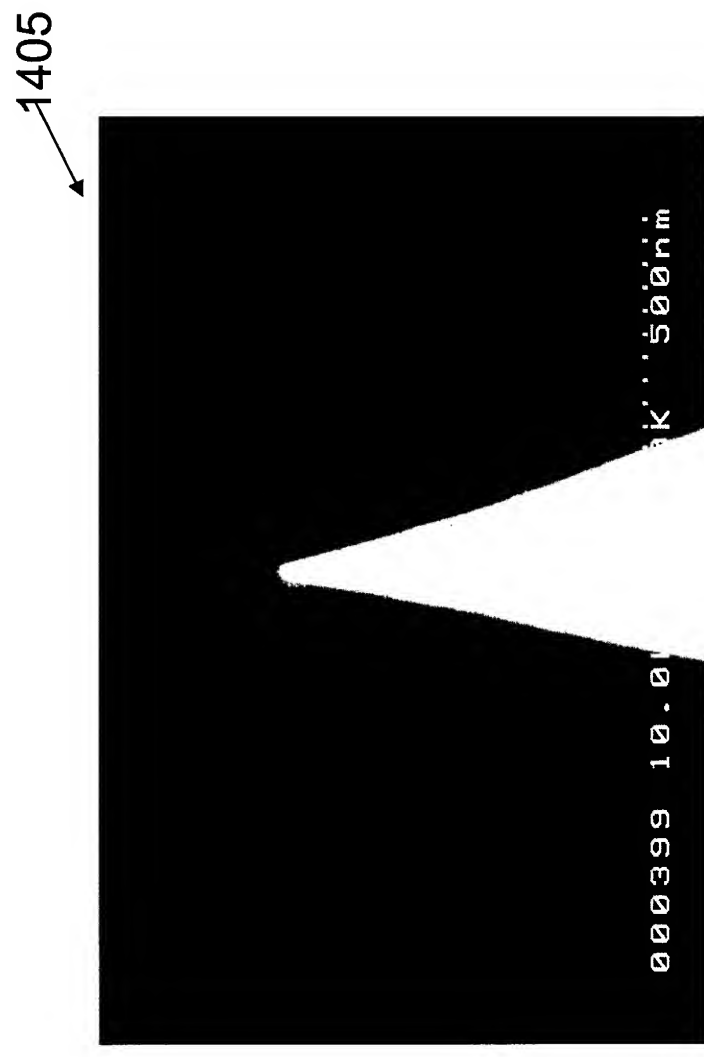


Figure 14E

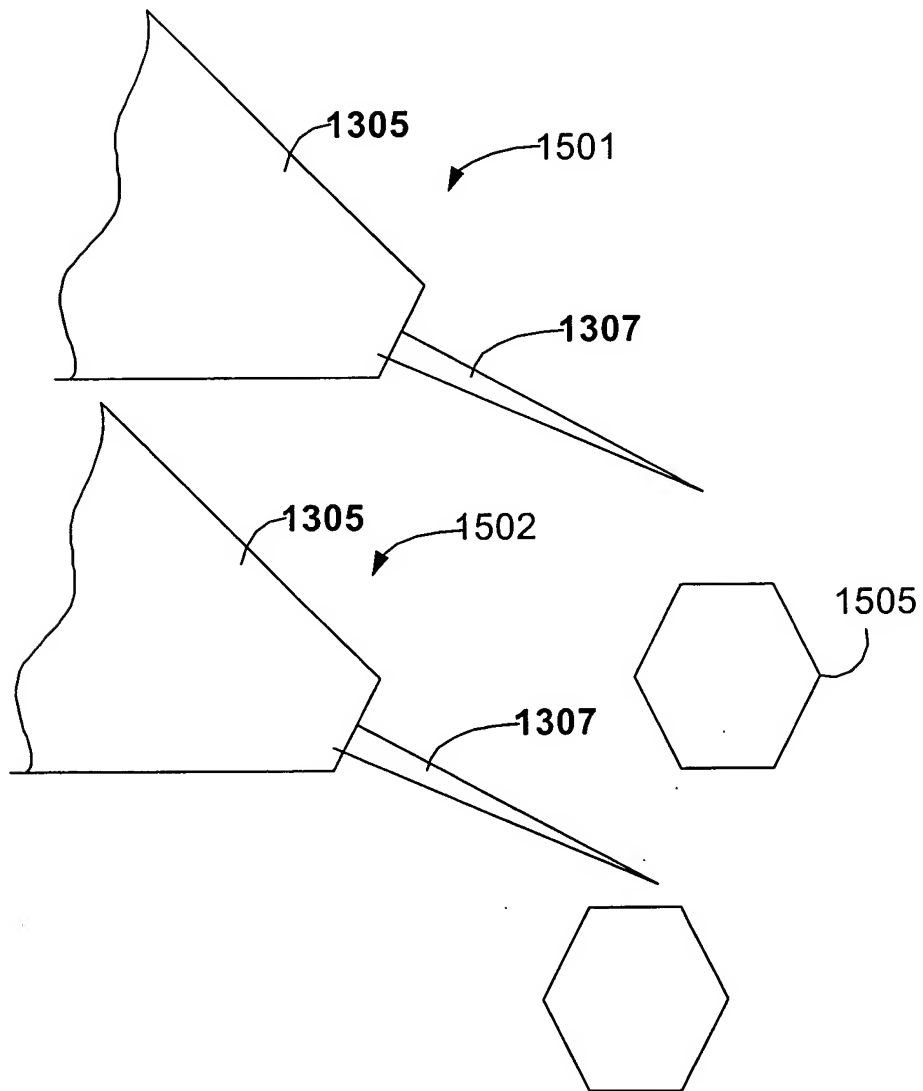


FIGURE 15

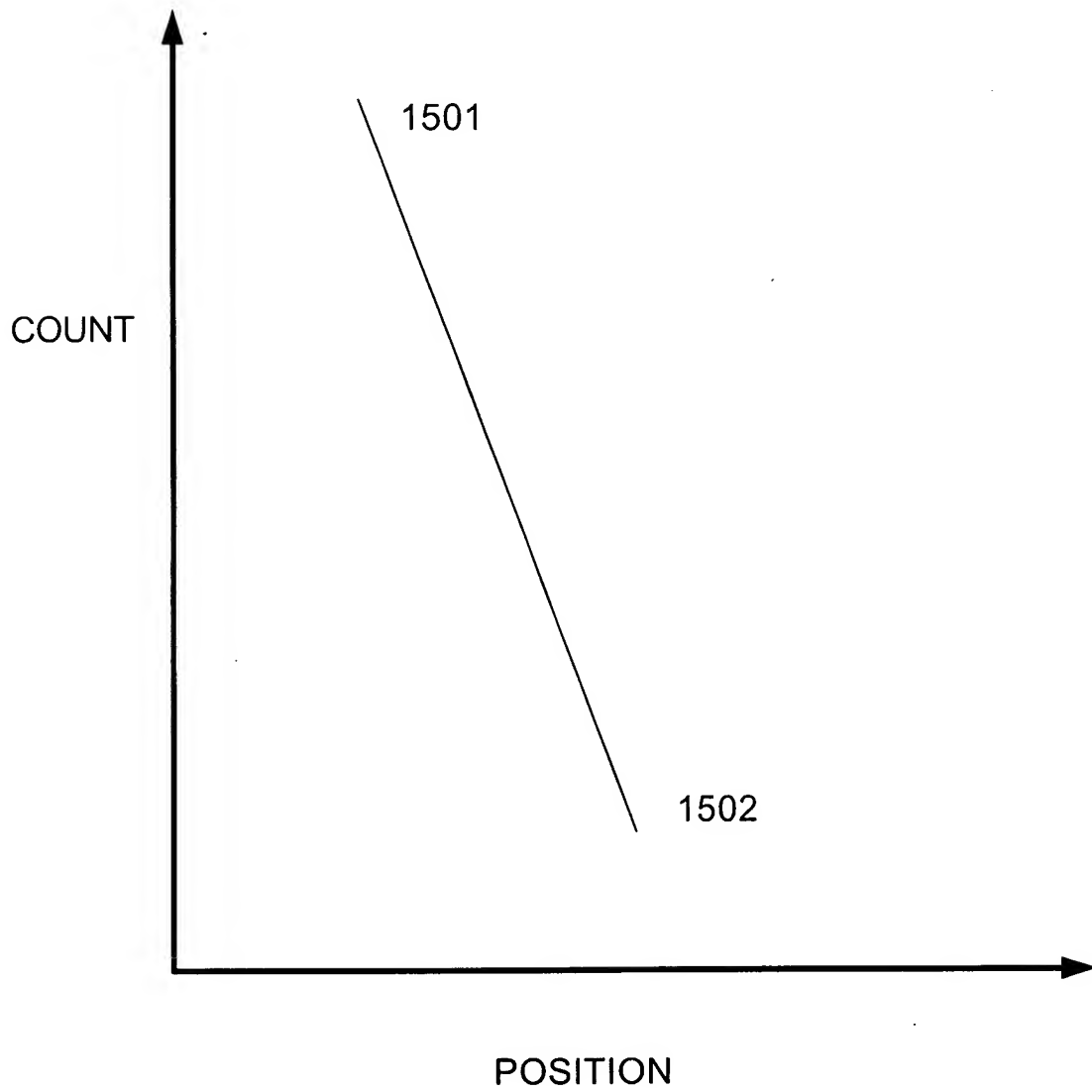


FIGURE 16

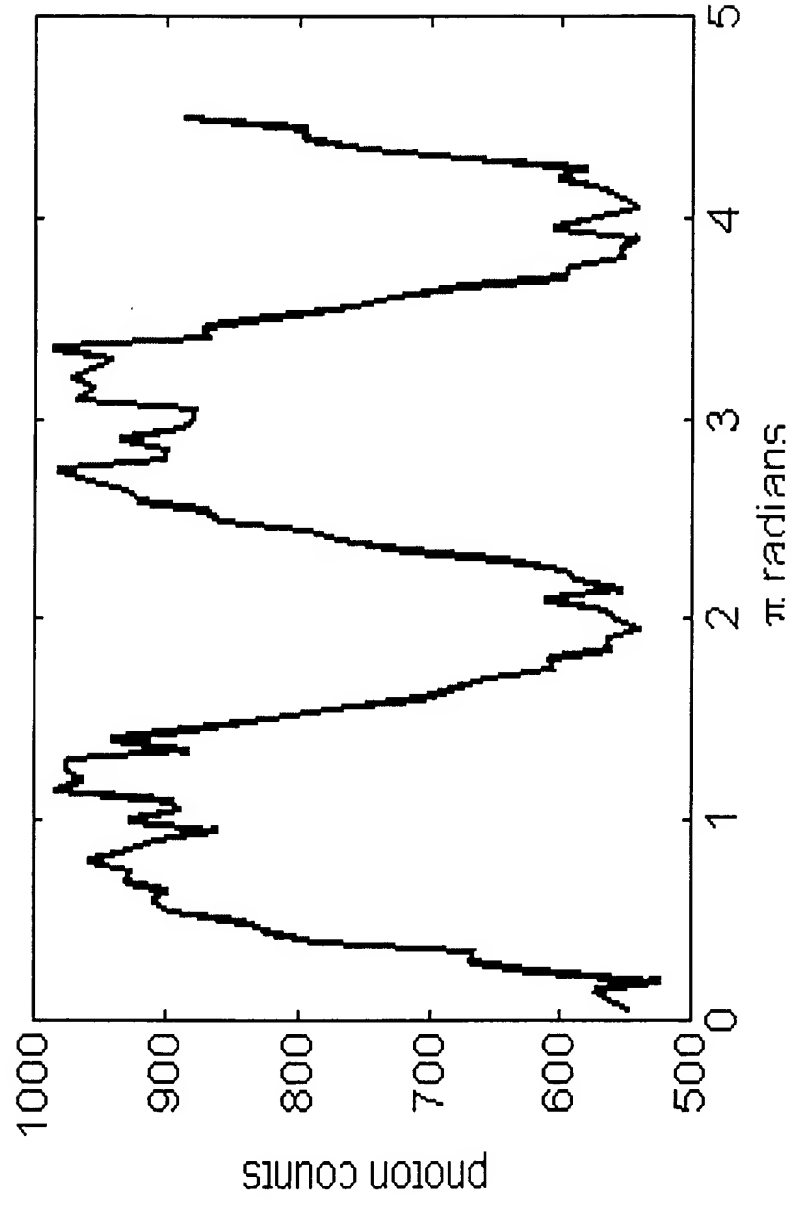


Figure 17

Attorney Docket No. 020859-001300US

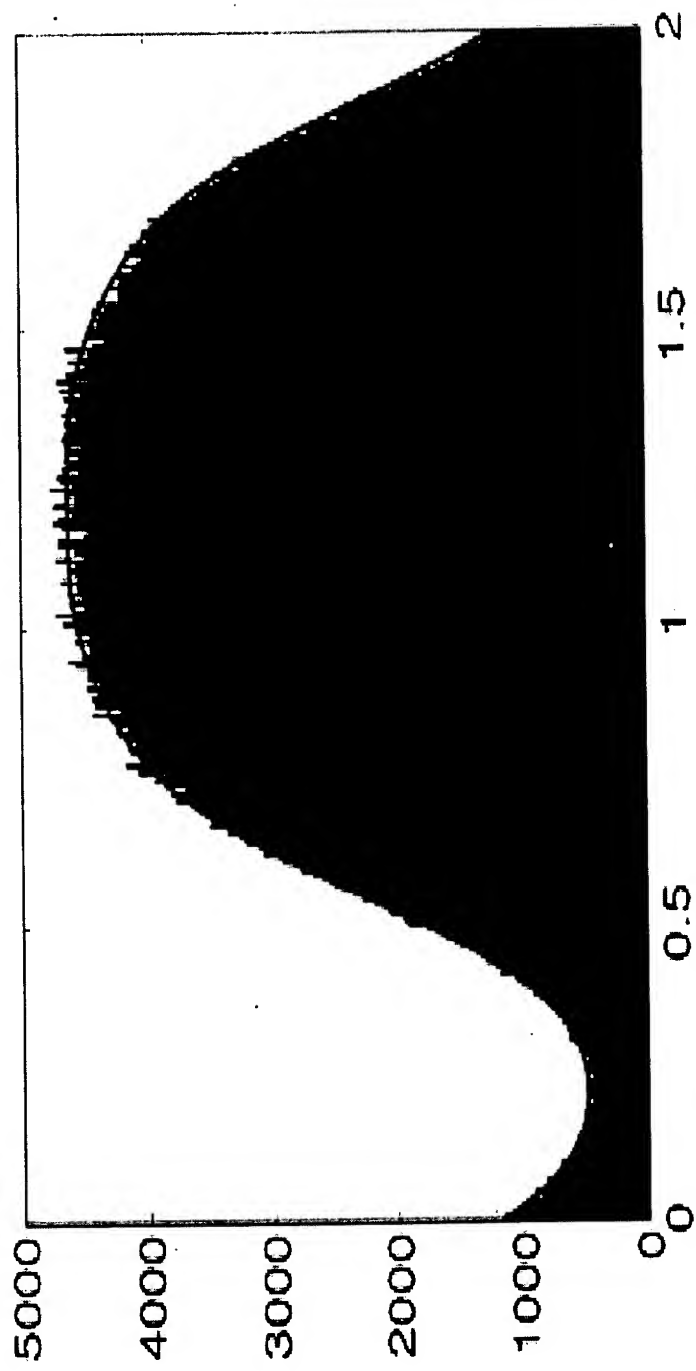


Figure 18

Attorney Docket No. 020859-001300US

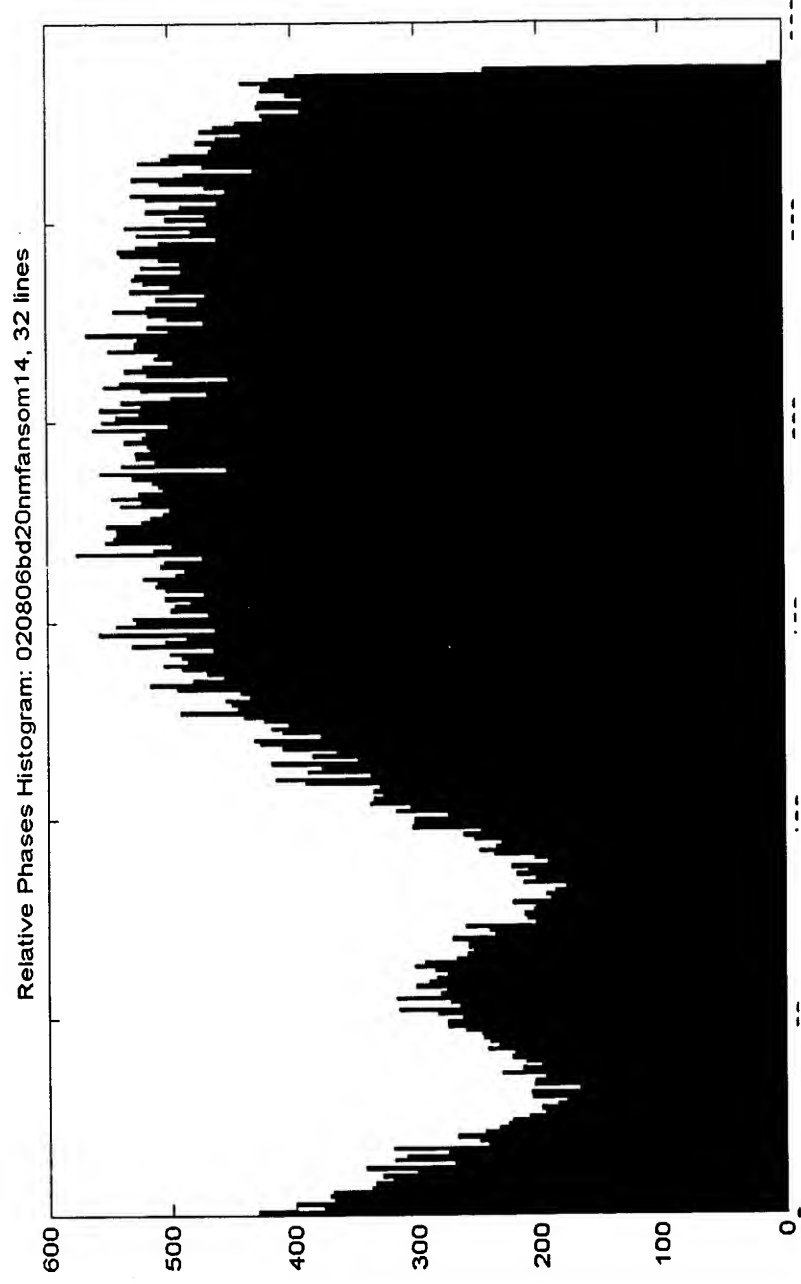


Figure 19

Attorney Docket No. 020859-001300US

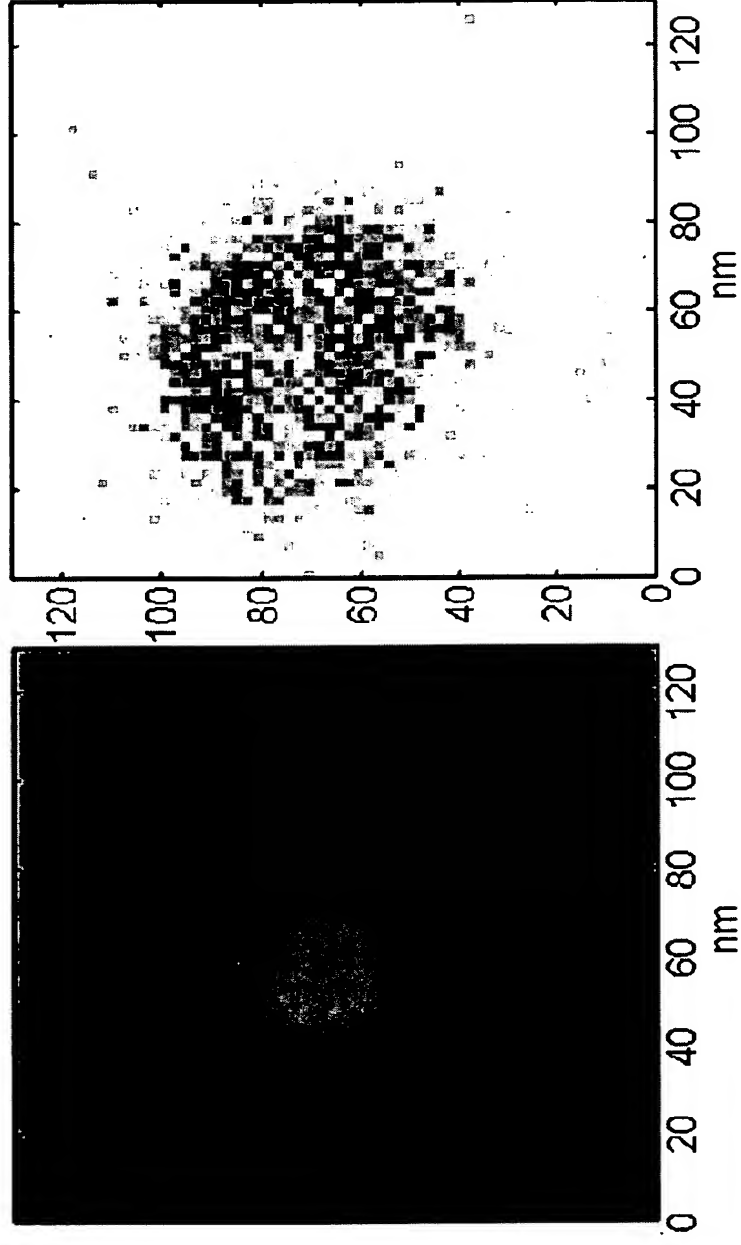


Figure 20

Attorney Docket No. 020859-001300US

Approach Curve: fluorescence as a function
of vertical distance ▼

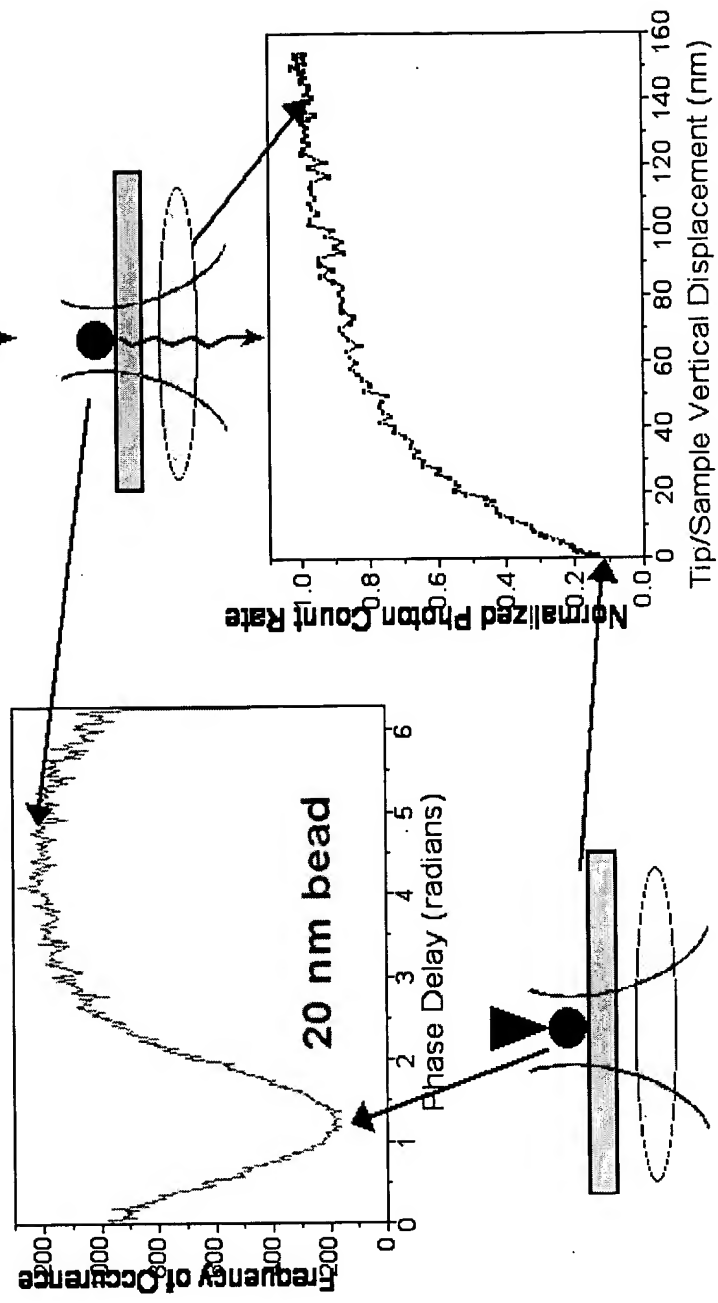
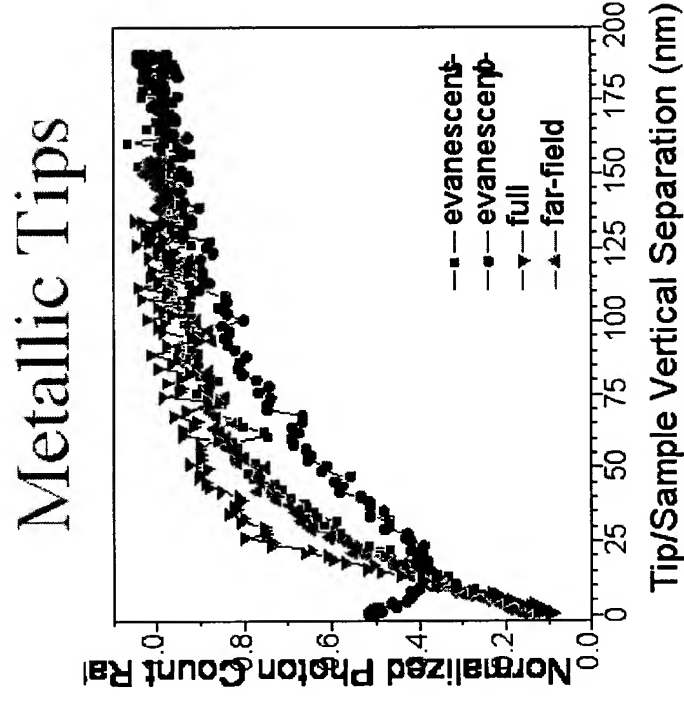


Figure 20A



- Platinum-iridium coated tips (commercial)
- 85 – 90% suppression of fluorescence
- Partial recovery of fluorescence for *p*-polarization

Figure 20B

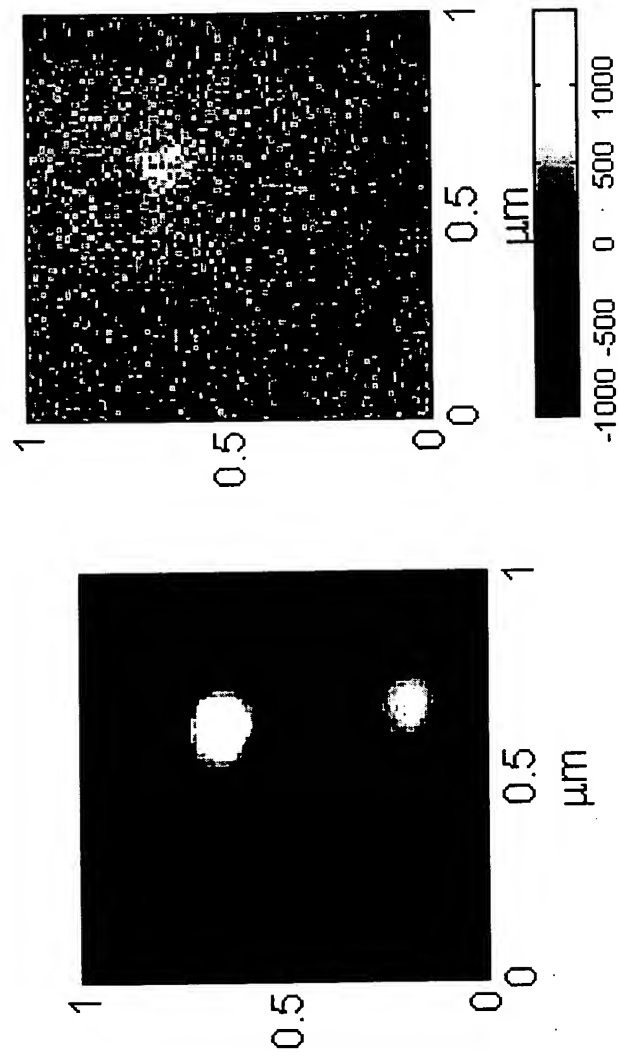


Figure 21

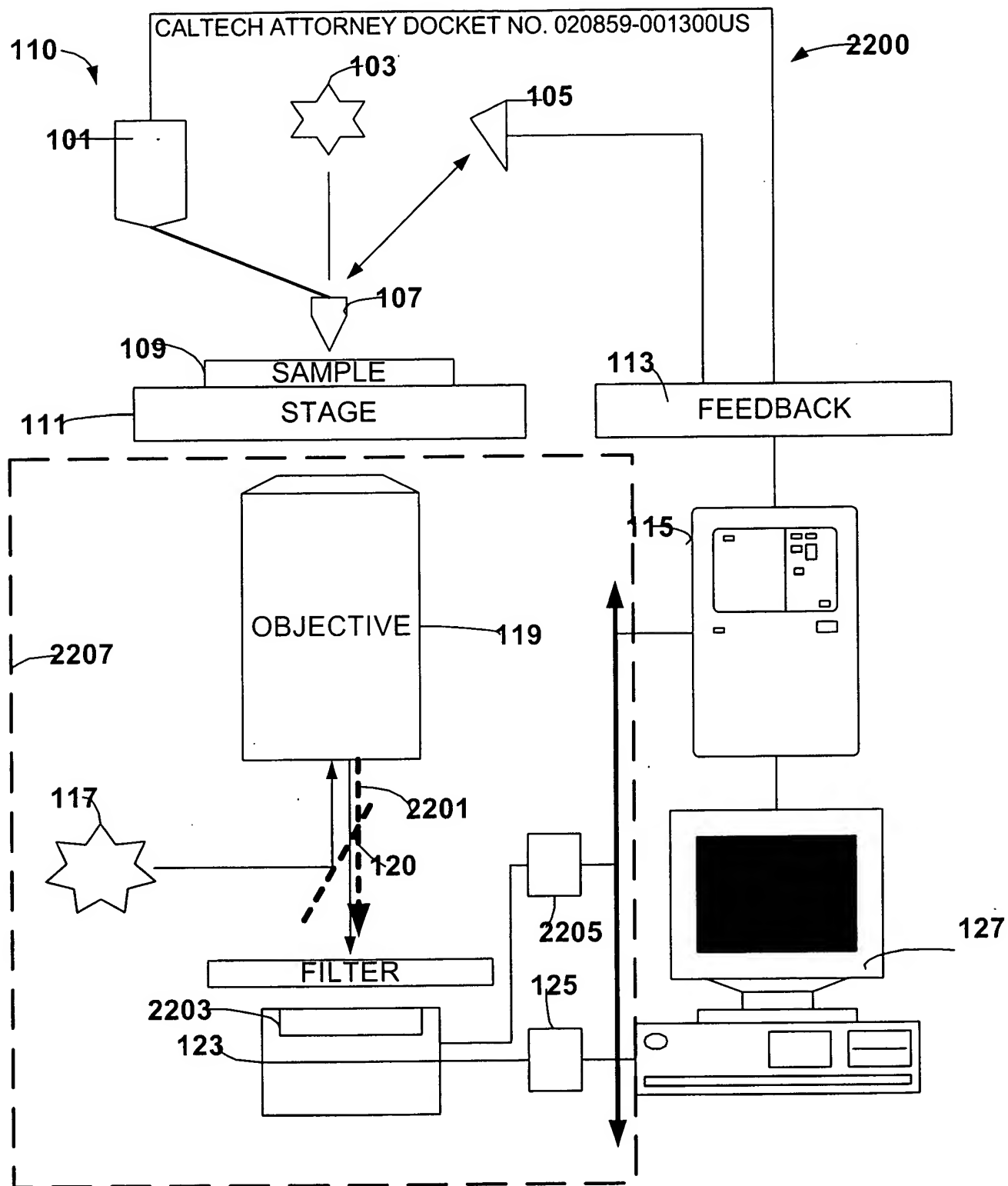


FIGURE 22

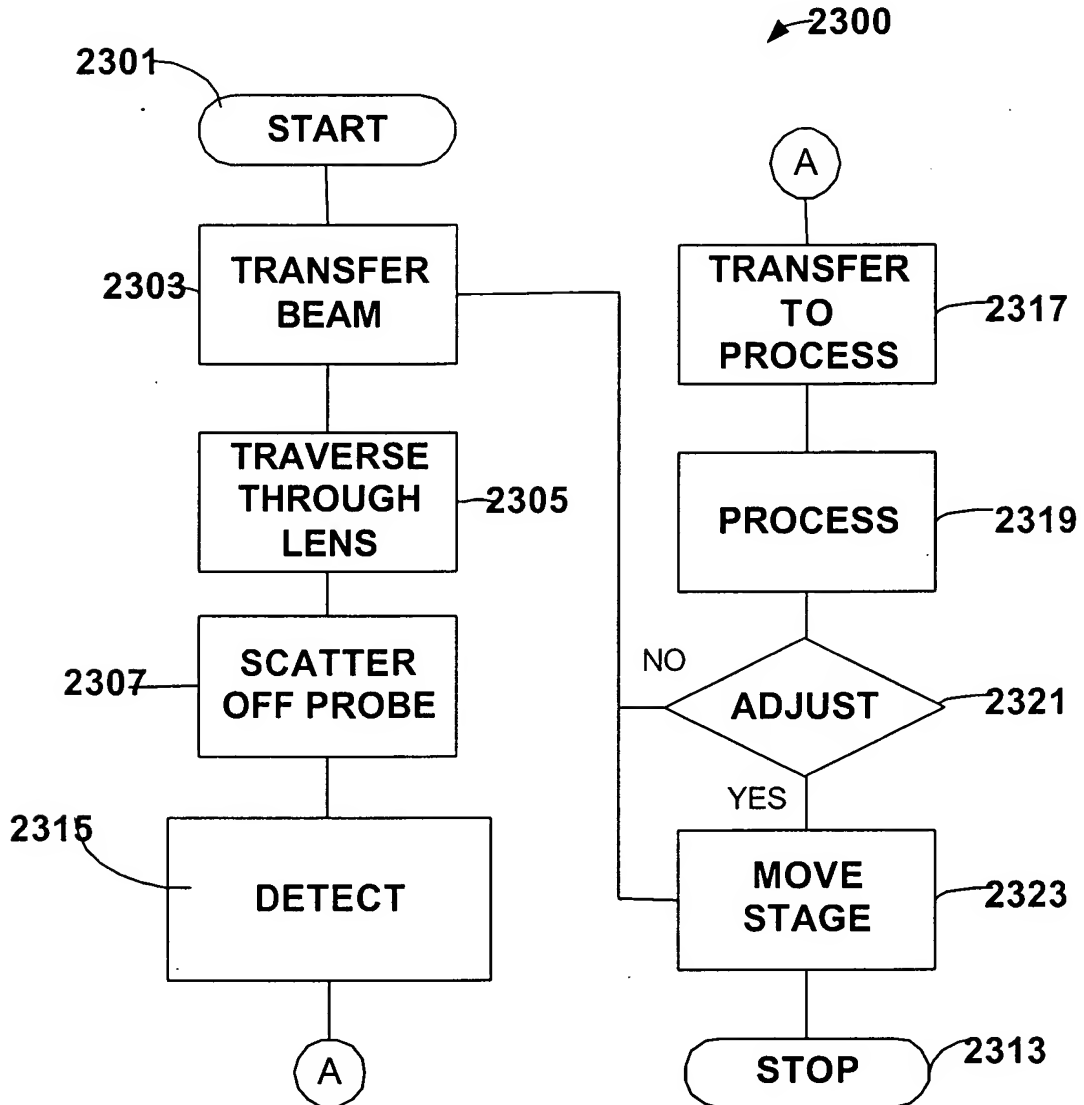


FIGURE 23

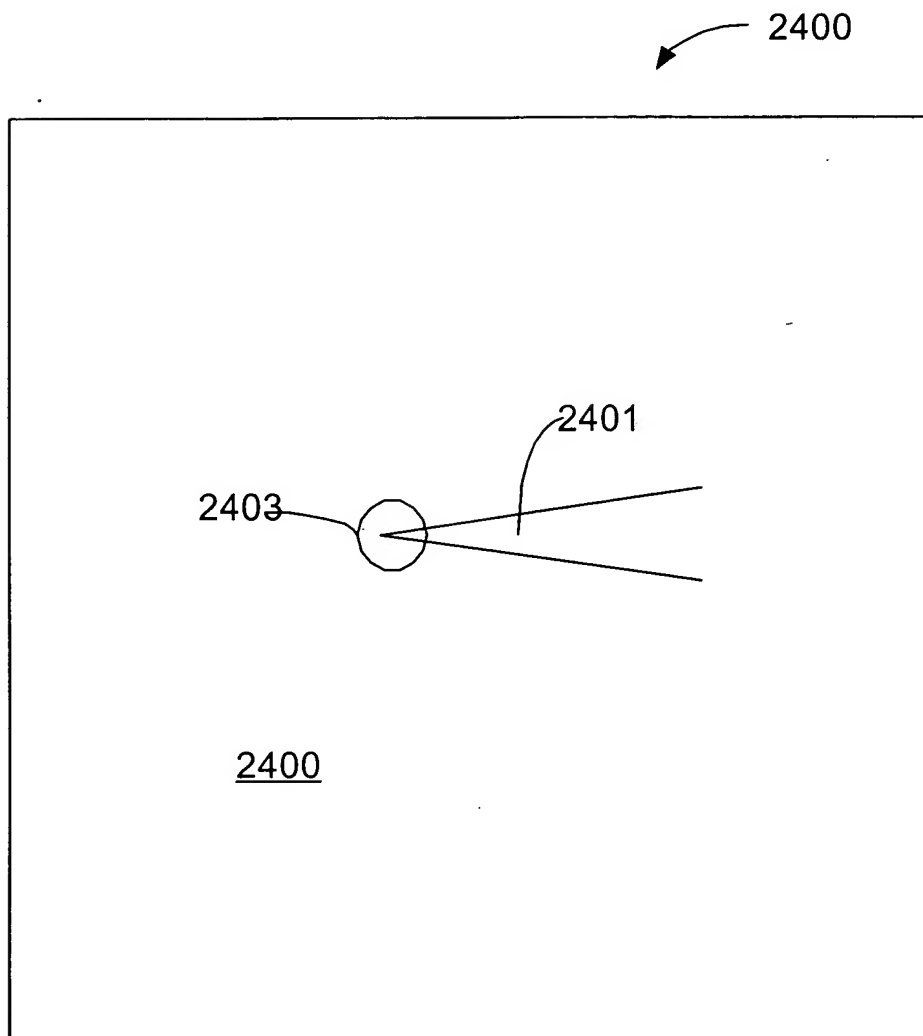
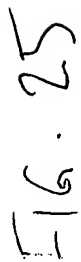
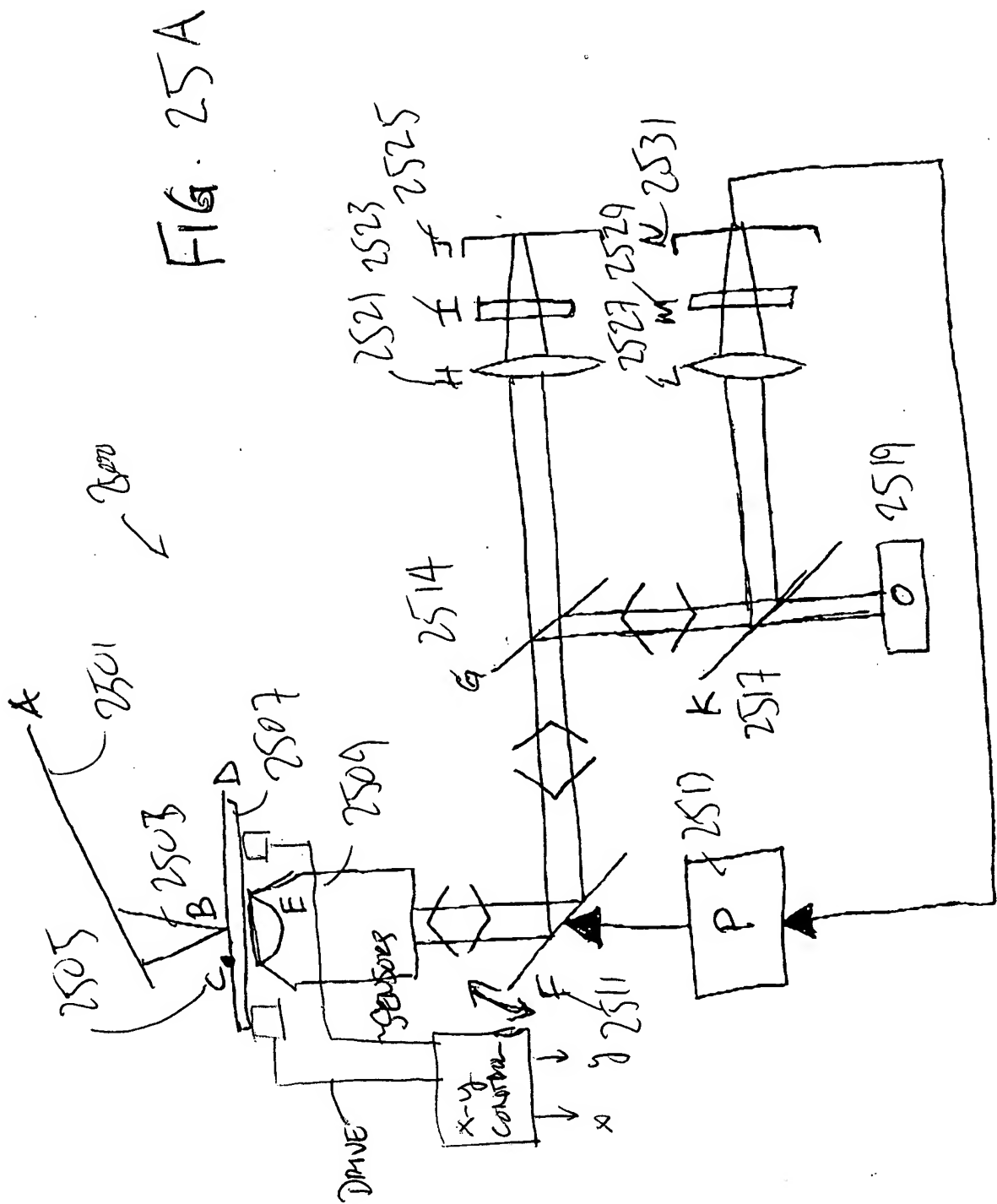


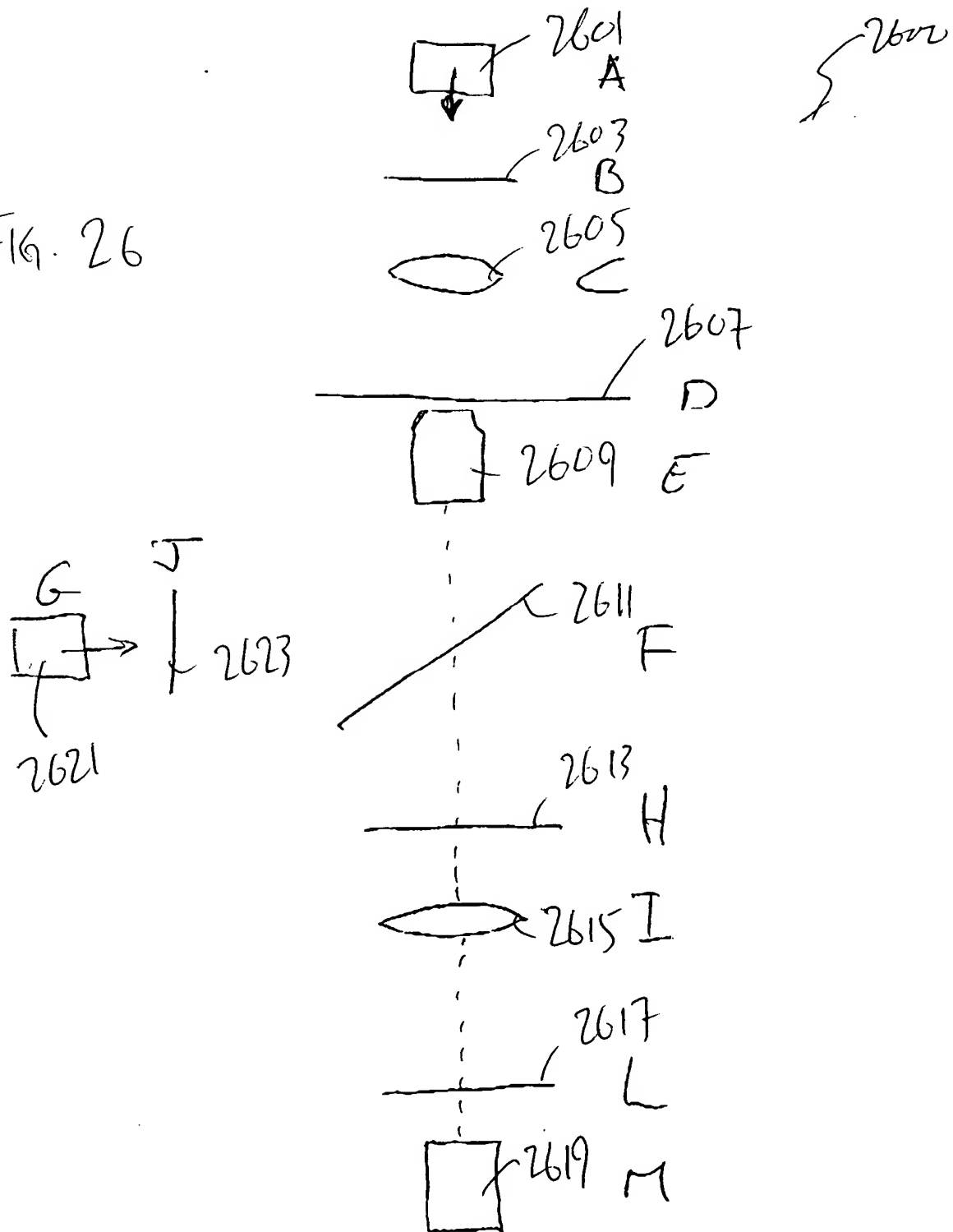
FIGURE 24



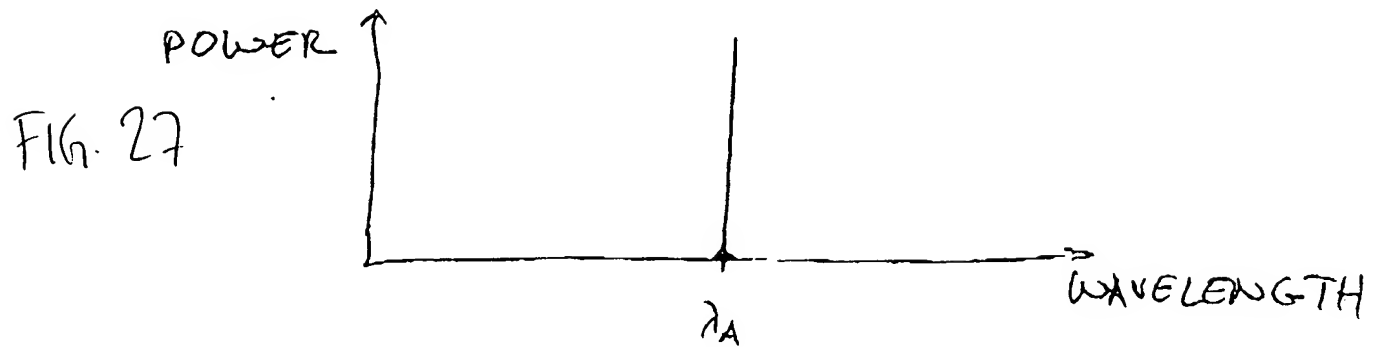


FILTER PLACEMENT

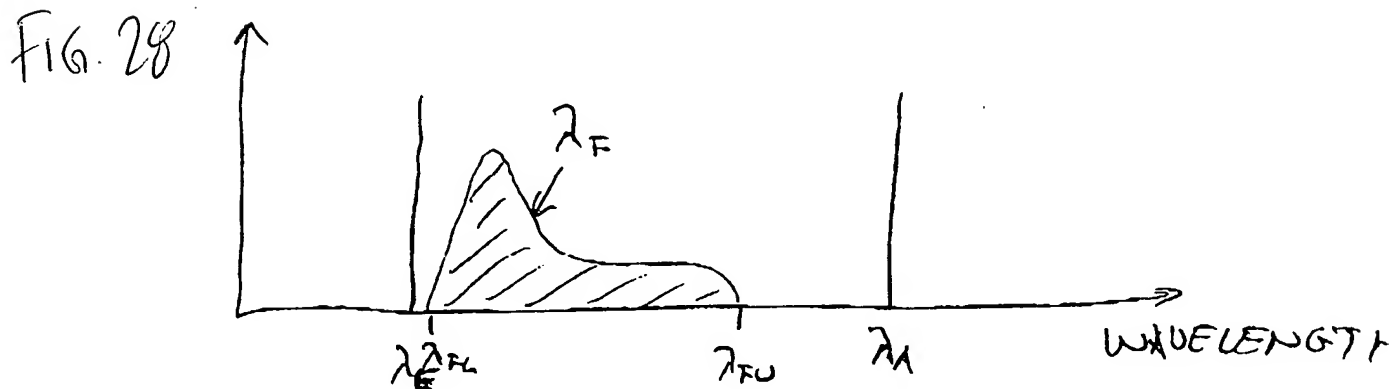
FIG. 26



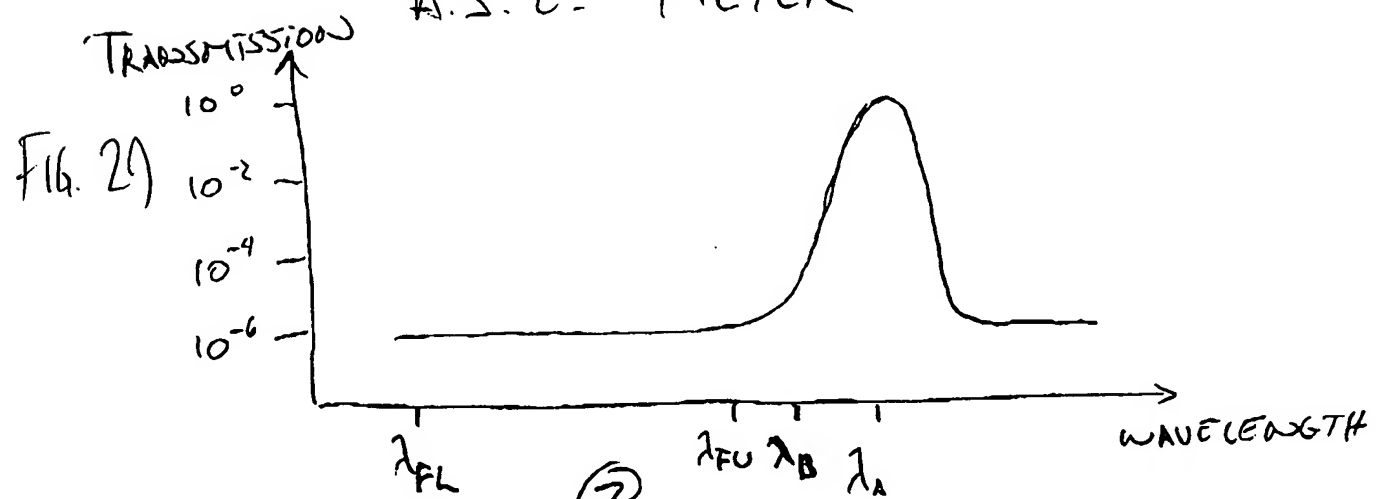
SPECTRUM OF AFM LASER



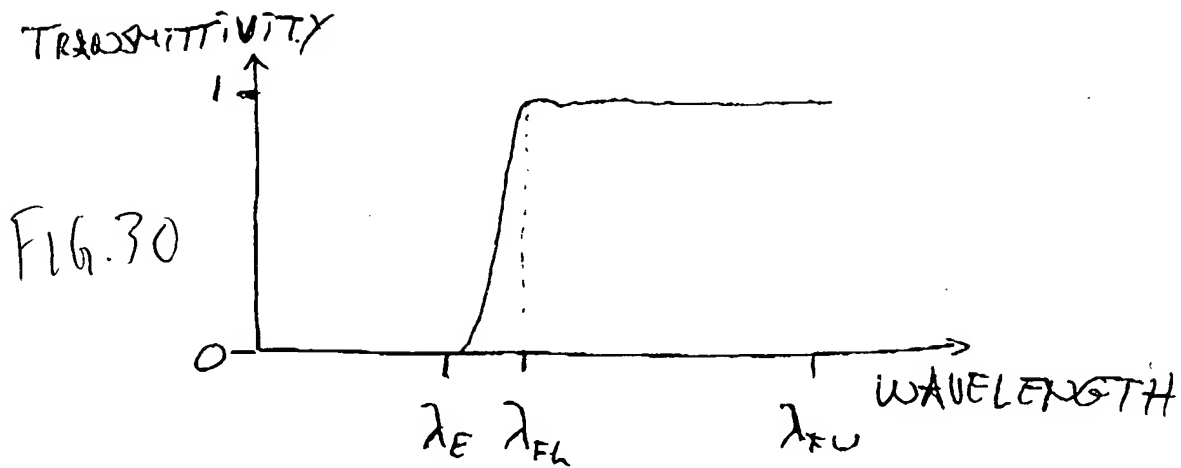
RELATIVE POSITIONS OF WAVELENGTHS OF INTEREST



TRANSMISSION SPECTRUM OF A.S.E. FILTER

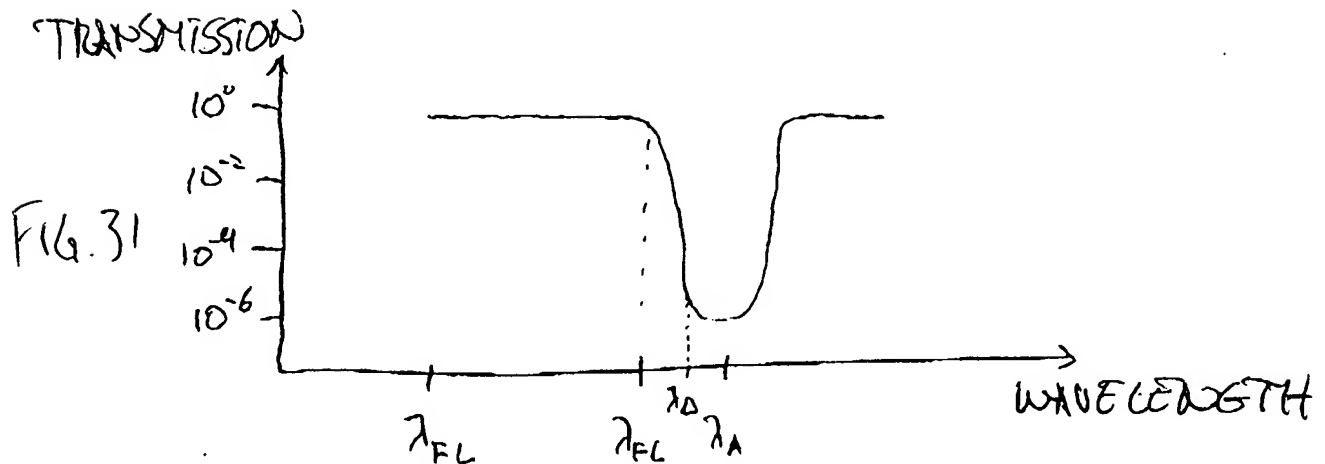


TRANSMISSION SPECTRUM OF DICHROIC MIRROR

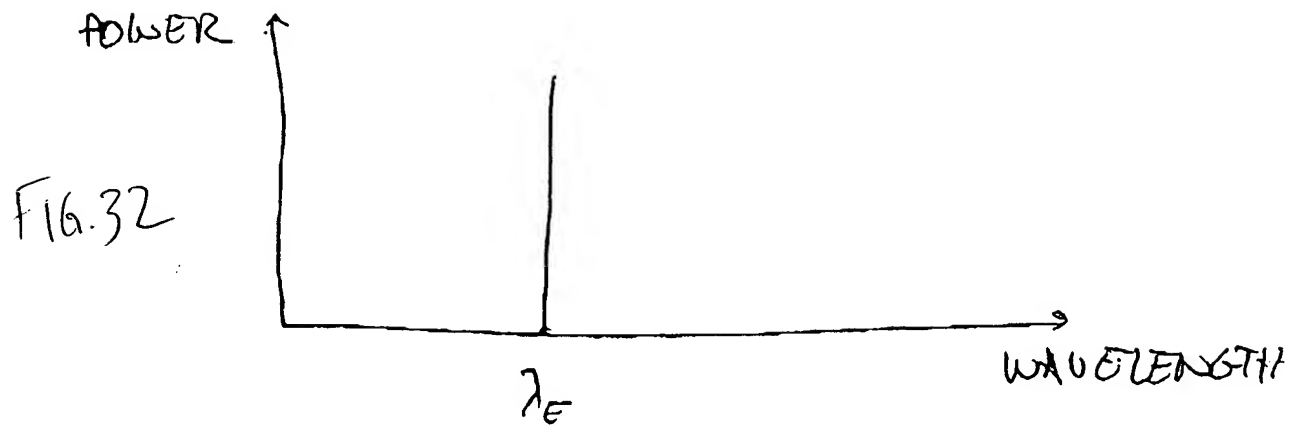


TRANSMISSION SPECTRUM OF

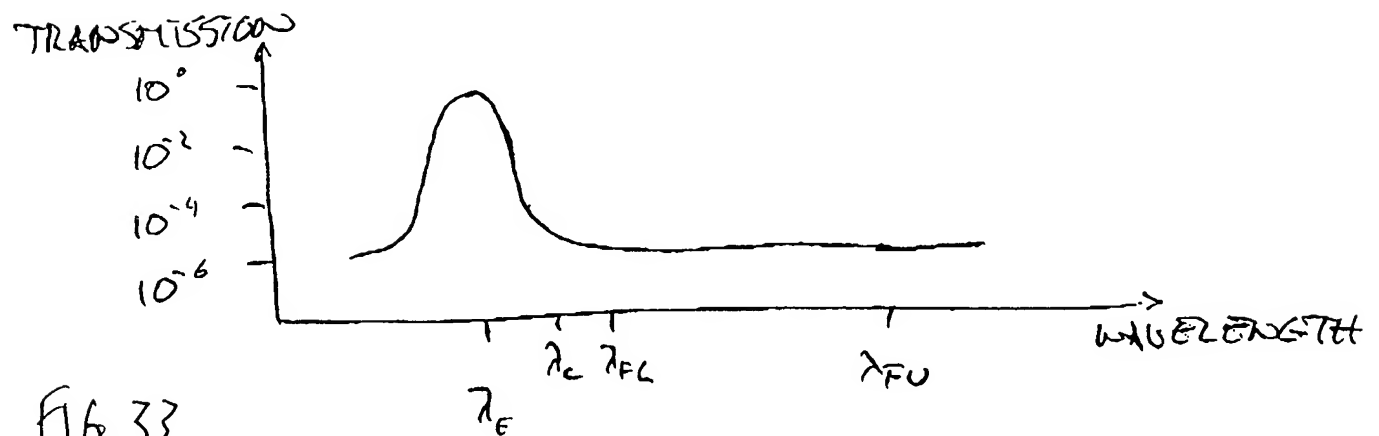
BLOCKING FILTER FOR WAVELENGTH λ_A



SPECTRUM OF LASER FOR SAMPLE EXCITATION



TRANSMISSION SPECTRUM OF THE "EXCITATION CLEAN-UP FILTER"



TRANSMISSION SPECTRUM FOR "BLOCKING FILTER FOR SAMPLE DETECTOR"

